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Mother Will Spend Part of AAA Check

IN THE next six weeks, over $20,000,000 in corn-hog checks will be paid to Iowa farmers. Other millions will go to farmers in surrounding states.

How that money is to be spent will be settled by each farm family. Wallaces' Farmer and Iowa Homestead is not making any recommendations.

But we would like to make a prediction.

We predict that when the discussion is over, mother is going to emerge from that family conference with a good share of the corn-hog money in her hands.

Why do we think so? We've just been helping our Homemaking Department read hundreds of letters from farm women telling how they would spend $200 apiece on their homes. And we believe these letter writers are typical of the other women on corn belt farms.

From reading these letters, we've decided that mother has made up her mind that it's time to spend some money on her end of the farm business. And she knows what she wants and what it costs. It's all figured out, down to the odd cents.

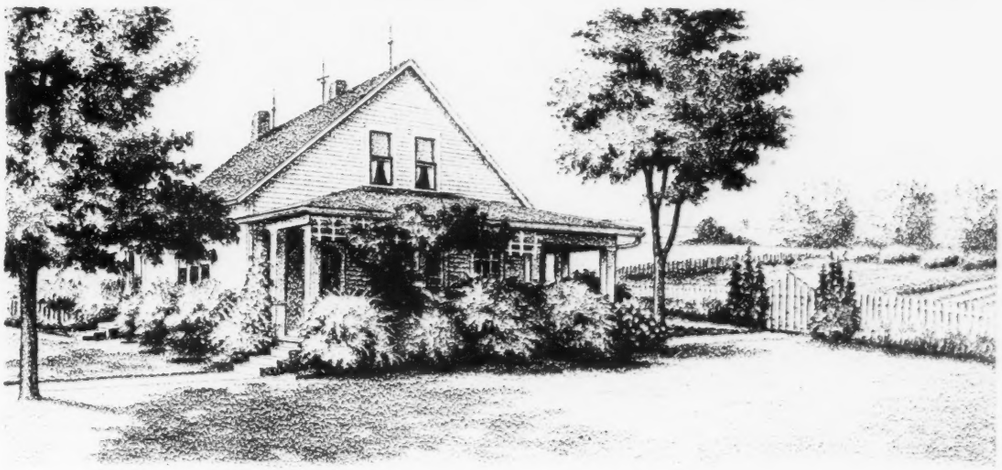
These women want a new sink and drain in the kitchen, a bathroom and complete water system if they can manage it, a new range, a power washing machine, a back porch to take the separator and the washing machine out of the kitchen, built-in cupboards, a front porch with porch furniture, a new radio, new wallpaper, paint for inside and outside, new shingles for the roof, new mattresses, miles of linoleum, and plenty of other things to make housework easier and to make the home more attractive. And a few add firmly that the looks of the homemaker are important to a house, too, and add an appropriation for new dresses.

If this sounds like bad news for father, let him wait a minute. He hasn't heard it all yet. Father is nominated to do a lot of the work on these improvements. He is to dig ditches and lay tile, paint the house, put up new cupboards, and help with the ceiling when the new wallpaper goes on. And, very emphatically, he is to put up the new fence around the yard so the chickens won't scratch out the flower beds and roost on the new porch.

We don't think father will mind. He knows, better than any one, what mother has endured during the hard times. She's turned in her egg and butter money to help with the taxes, or rent, has made over her old dresses, has continued to wear her 1930 hat, and has shown, thru it all, that she was still glad she had married father.

It's mother's turn. Now that, on many farms, the hardest period is over; now that farm equipment is being renewed, it's time to give mother her due—not all of it, perhaps, but at least a first installment.

We believe that a part of the corn belt's final corn-hog check is going to mother. We're tickled that it is. And so is father, tho he may not let on.



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Service Bureau

$50 REWARD — The Sign of Protection

Recovered 33 Chickens

Thirty-three White Rock chickens stolen from the poultry house on the Reuben Jackson farm, one and one-half miles east of Mondamin, Iowa, have been returned to their owner. J. F. Sheets, a former resident of Council Bluffs, who stole them, will have the penitentiary at Fort Madison for a home address for the next five years.

Upon discovery of his loss, Mr. Jackson made a prompt report to the sheriff of his county, who in turn, notified the sheriff of Pottawattamie county, on the theory that the thief might try to dispose of the poultry in Council Bluffs, the nearest city market. His hunch proved to be correct. The Pottawattamie county sheriff had just received word from Brunow Brothers, who operate a produce house in Council Bluffs, that a party had just sold them some White Rock chickens under circumstances which had caused them to suspect the birds might have been stolen.

Mr. Jackson was able to definitely identify the chickens by marks he had placed on them. Fortunately, Brunow Brothers had made a record of the car license number of the party who sold the poultry to them and it was not long until the car was located in Council Bluffs. Sheets, its owner, was taken into custody.

Sheets at first entered a plea of not guilty, but changed it to guilty when brought before Judge H. J. Mantz, in the district court at Logan. "Five years," said the judge. This we hope, settles Sheets.

The customary Service Bureau reward was divided between Jackson and Brunow Brothers.

Spree Ends in Prison

With but very little actual information to guide him, Raymond Schweizer, operator of the S. & S. Service Station, in Amazonia, Mo., played a hunch and requested the arrest of Campbell Collins and Gardner Owens, on a charge of stealing an assortment of greasing tools from the service station.

Schweizer's suspicions proved to be well founded. Collins and Owens were found guilty when brought before the court, and were sentenced for terms of four years each in the penitentiary at Jefferson City, Mo.

The weather had been rainy for several days prior to the robbery, and very few automobiles were in town the night the theft was committed. Among the cars was one owned by Collins. Schweizer knew that Owens and Collins were drinking together and had attained what the roads already had—an advanced degree of saturation.

The next morning, Schweizer discovered that his filling station had been broken into during the night, and also that Owens and Collins had left town. Therefore, when the two suspects returned to town a couple of days later, he decided that they would bear watching.

When they started to leave town again, he got into his own car and followed them. When the culprits discovered that Schweizer was following them, they tried to elude him—first by speeding up and later by turning off the main road into a private lane.

Schweizer then called the sheriff and the law began to take its course with the results as previously mentioned.

Inasmuch as Schweizer acted as his own detective and furnished the information leading to the arrest of the guilty parties, the full $50 Service Bureau reward has been paid to him.

DANTE M. PIERCE, Publisher

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WALLACES' FARMER
Iowa Homestead

GOOD FARMING CLEAR THINKING RIGHT LIVING

HENRY A. WALLACE, Editor
On leave of absence as Secretary of Agriculture.

Former Editors: Henry Wallace, Feb. 1895 to Feb. 1916; Henry C. Wallace, Feb. 1916 to Mar. 4, 1921.
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Millions to Farmers Who Save Soil

Program Provides $120,000,000 in Benefits for Cooperating Farmers of the Middle-West

WASHINGTON, D. C. — After twenty days of intensive work following the passage of necessary legislation, the Agricultural Adjustment Administration last week announced the terms of the new national soil conservation program for 1936. A series of educational meetings with state and county committeemen followed in all parts of the country.

The program goal for the current year is an increase of crop land devoted to soil-conserving and soil-building crops from the 1930 level of about 100,000,000 acres to 130,000,000 acres. This shift will leave plenty of acreage for the production of the main cash food and fiber crops that deplete the soil, and at the same time should protect farm income by preventing a return to burdensome surpluses.

"The new program represents a sincere effort both to conserve the soil in the interests of producers and consumers and to preserve the economic gains that farmers have made in the past three years," Secretary Wallace said when the new plan was announced.

"From an immediate point of view, the new program may not be quite as effective as the old one destroyed by the supreme court, but from a long-time point of view it may prove to be even more constructive," Mr. Wallace pointed out.

CORN PRICES

If farmers increase corn acreage by six million acres, as indicated in the "intentions to plant" report, we are going to have low corn prices this fall and an overproduction of livestock the following year.

Shifting corn acres into soil-conserving crops will help maintain corn prices, provided enough farmers cooperate. If there were no cash benefits for holding down corn acreage, it would still be good business for farmers to do it.

The soil program provides cash benefits for farmers who increase soil-conserving crops and so reduce feed grain acreage. Every farmer who remembers 1932 prices will want to help.

Cash payments from the federal treasury, totaling from $430,000,000 to $470,000,000 will be made to cooperating farmers for the country as a whole in 1936. Two types of payments will be made. A soil-conserving payment averaging $10 per acre for the United States will be made with respect to soil-depleting acres completely shifted in 1936 to soil-conserving or soil-building uses. In addition, a cooperating farmer may qualify for a soil-building payment of an average of $1 for (1) each acre seeded to certain soil-building crops in 1936, including the soil-building crops on the acreage shifted from soil-depleting crops, and (2) for each acre of old stands of soil-conserving crops or soil-building crops improved in accordance with approved soil-building practices, such as liming.

The payments will be made to the individual farmer after actual evidence is submitted that he has fulfilled the conditions of the grant, and performance has been certified to by his county committee. There will be no contracts with farmers; but within the next few weeks those desiring to cooperate will be asked to fill out a work sheet, giving their 1935 crop acreage figures and other essential information.

In this program, soil-depleting acreage bases are to be established on farms, first, to provide a definite standard to measure the extent of soil conservation and soil building in 1936, and, second, so that this standard may be used to determine the amounts to be paid to the individual farmer who cooperates.

The soil-depleting base for any farm will be the total acreage in soil-depleting crops on that farm in 1935, modified to take care of unusual situations.

Allowances Provided

The modifications, where necessary, will include allowances for (a) acreage planted to soil-conserving and soil-building crops in 1935 because of the AAA adjustment programs, and (b) for unusual variations in plantings in 1935 because of drouth, flood or other unusual conditions.

Adjustments in bases also will be made in instances where a farmer's soil-depleting acreage base is materially out of line with that for similar farms in the same locality. Likewise, adjustments will be made in cases where the present soil-conserving or soil-building acreage is far out of line with the community average.

In the majority of cases, of course, the soil-depleting base for the new program will be the 1935 soil-depleting acreage plus acreage contracted or shifted to soil conserving and erosion preventing use under the AAA programs. This rule probably will apply in 80 per cent or more of the cases, where corn, wheat and other principal crops of the north-central region are concerned.

Special soil-depleting bases will be established, however, for cotton, tobacco, peanuts, sugar, rice and flaxseed. The bases for individual farms for tobacco will follow in the main the bases previously established. The county committees may recommend modification, and in doing so may take into account the available farm facilities and their past use in the production of tobacco. The total of individual bases for tobacco for any county can not exceed the base acreage established under the old agricultural adjustment programs.

For sugar, the base upon which payments will be made will be approximately the same as the acreage allotments under the Jones-Costigan act.

The base for flax will be established by the county committees on the basis of facilities for flax production.

For the purpose of carrying out the soil conservation program, all crops will be divided into three classes. They are soil-depleting crops, soil-conserving crops and soil-building crops. Some of the soil-depleting crops will be classified as soil-conserving crops if handled in certain non-cropping ways. Also, some of the soil-conserving crops, such as alfalfa and sweet clover, will be classified as soil-building crops.

Following is a preliminary classification of crops for the country as a whole. Regional modifications of the national classification are being worked out and some changes probably will be made later thru recommendations of state committees. By the time of the work sheet sign-up, however, farmers desiring to cooperate can obtain full information from their local committeemen or the county agricultural agent.

TURN OUT!

Next week, township meetings will be started over the corn belt, to discuss the new soil plan, and what individual farmers must do to qualify for benefit checks.

Every farmer should attend. His income for 1936 and 1937 depends on what is done at these meetings. General participation in the program will add cash benefits to corn belt farm income and will prevent the overproduction that wrecks farm prices.

Be sure to attend the meeting at which the township committeemen are elected. These men will have a difficult and important job. Elect the fairest and most competent men in the neighborhood, and give them all the help you can.

Soil-depleting crops, as now designated, include corn (field, sweet, broom and pop corn), cotton, tobacco, Irish potatoes, sweet potatoes, rice, sugar cane, sugar beets, cultivated sunflowers, commercial truck and canning crops, melons and strawberries, peanuts if harvested as nuts, grain sorghums and sweet sorghums, small grains when harvested for grain or seeded alone and harvested for hay (wheat, oats, barley, rye, buckwheat, flax, emmer, speltz and grain mixtures).

The soil-conserving crops include:

1. Annual legumes, including vetch, winter peas, hairy and crimson clover; biennial legumes, including sweet, red, alsike and mammoth clovers; perennial legumes, including alfalfa, kudzu, sericea and white clover, and annual lespedeza.

2. Perennial grasses, including blue grass, dallis, timothy, red-top, orchard, Bermuda, carpet, brome, crested and slender wheat grass or grass mixtures when on plowable crop land and not classified as permanent pasture.

3. Small grains, including wheat, oats, rye, barey or small grain mixtures, when seeded as a nurse crop, pastured or not, and clipped green, or when grown alone, pastured or not, and turned under in 1936 as a green manure crops.

Soil-building crops include:

1. Annual legumes, including vetch, winter peas, hairy and crimson clover, when turned under in 1936 as a green manure crop. Acreage seeded to these crops in the fall of 1935 and turned under in 1936 will qualify.

2. Biennial legumes, including sweet, red, alsike and mammoth (Continued on page 14)

Editorials

Now It's Up to the Farmers

THE new soil conservation plan for 1936, described in our Washington letter on page 3, will seem complicated to many of us. Many farmers are in the rush of spring work now. It is hard to come in tired at night, take up a program like this, and figure out easily just how the thing will work.

It puts the farmer under a handicap to have to start a new program this late in the year. But there was nothing else to do.

A little over two months ago, the supreme court knocked out the AAA. In the time since then, it has been necessary to get farmers together on a substitute plan, put it thru congress, hold meetings to discuss the best way of getting the plan started, combine these regional recommendations into a national plan, and send it out to the country.

This has been done, and it was fast work, when all the difficulties in the way are considered. But, fast as it was, it still leaves the farmer up against it in getting the local work started in time.

To those farmers who are inclined to feel a bit discouraged about tackling this kind of a job so late in the year, let us suggest:

1. The new plan probably isn't as hard as it looks. Remember how difficult the corn-hog program seemed back in 1933? Yet it worked out all right. This new plan will clear up as we go over it with the neighbors and in local meetings.

2. Don't expect the new plan to be perfect. It was put together in a hurry. The old AAA, after three years, was really just getting worked into shape when the court destroyed it. It will take some time in experimenting with the new plan to get exactly the right combination. And remember also that no plan, built for several million farms, will be a perfect fit for each of them.

3. Don't be surprised that the recommendations of your regional committee weren't followed completely in the final plan. There were four regional conferences, and they wanted a good many different things. The final plan had to consider these differences.

4. The job has to be done. Without some shifting of corn, wheat and cotton acres to grass in 1936, crop prices will be low this fall and livestock will be overstimulated by cheap feed. Farmers have a chance this spring to take action that will prevent a real crash in farm income in 1937 and 1938. It's hard for some of us to look that far ahead, but we'd better try to do it.

We urge that every reader of Wallaces' Farmer and Iowa Homestead go over the new program carefully, attend the local meeting where the plan is discussed, vote for the best men he knows for committeemen, and make every effort to cooperate in the plan for 1936. Imperfect tho it is, it can be worth $430,000,000 in cash benefits to American farmers this year, and worth much more in its effect on farm production and prices and on soil fertility.

Prospect Of Big Corn Acreage

EVERY winter, the Department of Agriculture asks a great many farmers what their spring planting plans are. It asks enough farmers so that the answers are usually a pretty fair indication of what all the farmers of the United States are going to do. This "intention to plant" survey has been worth a good deal to farmers in the past, in that it showed them whether overproduction was likely in one line or another, and gave them a chance to shift their plans accordingly.

This year, the "intention to plant" survey was made after the AAA decision, but before the announcement of the 1936 program for soil conservation. Consequently, a good many farmers weren't sure what they were going to do. Yet the survey does show something of the dangerous situation which was created by the destruction of the AAA by the supreme court.

On corn, the intention for 1936 is to plant 98,775,000 acres. This is roughly 6,000,000 more than the 1935 acreage and 4,000,000 less than the 1928-32 average. Iowa farmers are like the other corn farmers of the country, and plan to go about half-way between the 1935 and the 1928-32 figures. The Iowa estimate is for 10,478,000 acres, 1,000,000 more than last year and 1,000,000 less than in the 1925-32 period.

What would happen if these intentions were carried out? In 1935, we had an acreage of 92,727,000 and a low acre yield of 23.8 bushels. In spite of this relatively small acreage and small yield, and in spite of corn loans, prices for the bulk of the middle-west's corn crop have ranged between 40 and 50 cents during the winter.

If we have an acreage of 98,775,000 acres in 1936, and come up to the twenty-year average in yield per acre, how far below 40 cents would the price of corn drop next fall? On this basis, we would get a crop of 2,600,000,000 bushels. Our livestock and commercial needs, with allowance for reserves, call for a crop of around 2,250,000,000 bushels. That would leave a surplus of 350,000,000 bushels, or a considerably larger surplus than we had in 1933.

But suppose we only got a yield like that of 1935. Even then we should get a total crop of around 2,340,000,000 bushels, or 190,000,000 bushels in excess of needs. Prices of corn would certainly be forced down. More important, dairy, hog and beef cattle production would be increased rapidly, with the usual effect on price.

The "intention to plant" survey bears out what Wallaces' Farmer and Iowa Homestead has been saying for a good while. The prospects right now are for a big corn acreage and for a good average yield in 1936, with resulting low prices. Every farmer who can qualify for soil conservation benefits will find he will make a lot more building up his soil and getting paid for it than by putting a big acreage in corn.

THE DAM BROKE

The old AAA built a dam to store up fertility and moderate reserves. The dam broke on January 6, 1936. Flood waters began to gather back in the hills. Thirty million acres, the produce of which was once sold abroad and which can no longer be sold abroad, were released from contracts.

Will these acres be used to flood the nation again with cheap corn, wheat and cotton?

The "intention to plant" survey shows that farmers, after the AAA decision and before the announcement of the detailed plans for soil conservation, expected to push spring wheat acreage beyond the 1928-32 average, bring oat acreage up to the old level, reduce tame hay acreage slightly and add six million acres to the total in corn last year.

If these plans are carried out, it means low prices for new crops. Can a new dam be built in time to prevent it? Can the soil conservation program be made effective in time to prevent enormous overproduction in 1936?

We'd better get that new dam built in a hurry!

Puzzle For Cattle Feeders

THE predictions made on the cattle market last fall to the effect that prices of choice grades would slump badly in late winter seem to have been about right. Some feeders bought last fall at 104 per cent of the ten-year average have been turning into fat cattle selling now at 90 per cent of the ten-year average. There isn't much nourishment in that!

For some reason, choice grades have been selling lately at an unusually small margin above common stuff. The feeder who put a real finish on his steers hasn't been paid for the last weeks of feed and work.

There is going to be plenty of medium grade stuff going to market in the next several months, according to the Bureau of Agricultural Economics. Whether prices for choice cattle will improve, or whether prices of all cattle will be strengthened, depends pretty much on how great an industrial revival we get this spring. Higher pay-rolls may bring up the cattle price average. Yet, since high pork prices have probably helped beef sales, the expected drop in pork this spring may cause some beef buyers to switch to pork again.

More Hogs To Market This Year

THE Bureau of Agricultural Economics predicts hog slaughter will run from 30 to 35 per cent higher from March to September of 1936 than in the same period in 1935. Most of the increase in sales will come after May 1. This, of course, simply reflects the fact that the fall pig crop of 1935 was 31 per cent larger than that of 1934.

This is another warning to farmers to get rid of the last of their spring pigs of a year ago. To farmers who pushed fall pigs for an early market, it is a warning to finish the pigs in a hurry and get them sold.

If a New World War Should Come

SINCE Germany has moved troops into territory that was supposed to be left as neutral ground between Germany and France, and since western Mongolia, allied with Russia, has been skirmishing with eastern Mongolia, allied with Japan, the United States must face the fact that there is an increasing possibility of a European or an Asiatic war, or both.

If war does break out, can the United States manage to stay out of it?

That depends probably on how badly we want to stay out, on how willing American citizens are to give up possible profits in war trade in order to lessen the chance of getting dragged into a world conflict.

The present neutrality law helps some. It bars the sale of "arms, ammunition and implements of warfare" to warring nations. It withdraws protection from American citizens traveling in vessels owned by belligerents. It prevents belligerents from selling their national bonds in the United States.

All these provisions are based on our experience in the World war. Then, the unrestricted sale of munitions to the allies and the bond issues by which these sales were

financed helped line up a good many influential people on the side of Great Britain, France, Russia and their associates.

It is more than doubtful, however, if such precautions will keep us out of trouble. Another war would see a big foreign demand for cotton, pork, wheat and other goods of all kinds. While financing these purchases would be difficult, we fear that ways would be found to do it. And big shipments from the United States to one side or the other would undoubtedly lead warships and submarines of the warring nations to capture or sink American ships carrying these goods to their foes.

About that time, the American public would get excited over the loss of a highly profitable business and complain about the loss of "freedom of the seas." Farmers want cotton, but would they want it badly enough to permit foreign warships to block the profitable sale of cotton, pork and wheat abroad?

The fact is that if another world war comes, the United States will get into trouble with one side or the other if it persists in trying to protect shipments of goods of almost any kind to the nations at war. If we are willing to let foreign buyers come and get our goods at their own risk, or permit our own shippers, likewise at their own risk, to run blockades, we might be able to avoid this kind of conflict. But we would lose what is left of our foreign trade and we would be exposed to the continual irritation of worrying about the capture or the sinking of American blockade runners.

Judging by the cost of the last war, it would be good business for the United States to sell its goods at the ocean's edge, if it could, and refuse to protect shipments abroad. We would lose money that way, but only about one-fiftieth of what we would lose if we got into another war.

But to follow this cool and sensible policy would require a lot of self-restraint. Would southern farmers be willing to see their export trade in cotton crippled without clamoring for warships to protect cotton shipments? Would corn belt farmers be willing to abandon an apparently profitable trade in pork in order to play safe? Would wheat farmers sacrifice $1.30 wheat or better in the hope that this sacrifice would prevent American participation in another war?

We don't know. We hope so, but, after going thru one world war, we aren't overconfident. We can remain neutral, if we are willing to pay the costs. But it won't be easy.

Friley Is New Head Of I. S. C.

AFTER nine years as president of Iowa State College, Dr. Raymond M. Hughes has resigned on account of poor health, and has been succeeded as president by C. E. Friley, since 1932 dean of the industrial science division. The new president came to Ames from the Texas Agricultural and Mechanical Arts College. Friends of Doctor Hughes will be pleased to learn that he is to return to Ames as president emeritus after his present leave of absence ended.

President Friley takes the leadership of an institution whose value to Iowa farmers is great and is increasing. Wallaces' Farmer and Iowa Homestead joins with Iowa farmers in welcoming him to his new post.

Pasture To Preserve Fertility

THE building up of good pastures is more than a hobby, it is a passion, with many farmers. We wish every farmer felt that way. Plenty of one-year tenants, of course, would like to develop good grass land on the places they rent, but haven't been able to convince their landlords. And some landlords have to fight to keep tenants from plowing up every bit of grass.

But, as the letters in our pasture contest showed, there is a gratifying number who have both the opportunity and the desire to build their farming practices on a grass foundation. Here is a letter from Harvey Fessinger, of Daviess county, Missouri, for instance, that states the case for a great many. He writes:

Many farmers around here are trying to wrestle a living out of ground too poor to grow grain, when, if it were sown to pasture, it would make as much, with less work and without robbing the soil. It seems to me farmers will farm a field until it is too poor to grow grain, and then put it to pasture. Of course, the pasture dies out the first dry spell. . . .

Fertility of the soil is like money in the bank. We should be as careful of one as of the other. I know of no better way to keep the fertility of our soil than by permanent pasture.

I am of the third generation that has lived on this farm, and the ground is as fertile as it was fifty years ago. I have a son eighteen years old, and I want to hand this farm down to him with the fertility still there. It has always been a rule of the family never to plow up rolling ground nor to cultivate ground that washes. Nor do we "farm a field to death."

There is a field on the farm across the road that once was as fertile as ours. Now it is a network of gullies. The owner, a close friend of my father's, has been dead for several years, and his children live in town and rent the farm for cash.

In the depression years, many farmers were forced to go against their own wishes and plow up land that should have been left in grass. But this spring many will start to reclaim those acres for pasture again.

PRESIDENT ROOSEVELT SAYS:

"In conformance with the supreme court's decision, the farmers' production control programs have been stopped, but their chronic surplus problem goes on. Export markets for wheat, pork and tobacco, which were lost following the enactment of the Smoot-Hawley tariff of 1930, have only in small part been regained. . . .

"Altho the production control programs have been stopped, farmers are not entirely at the mercy of unbridled competition with their fellow producers, as they were in the years preceding 1933.

"The new farm act provides for financial assistance by the government to those farmers who, heeding the warnings contained in the 'intentions to plant' reports, wish to shift from the production of unneeded surpluses of soil-depleting crops to the production of needed soil-building crops. . . .

"If the farmers, in operating the soil conservation program, display the same energy and cooperative spirit which they showed in making the production control programs work, they will go far to protect both their soil and their income. . . .

"Congress has gone as far as it could within judicial limitations to enable farmers to keep the gains they have made in the last three years, and to permit their buying power to continue the powerful upward lift it has given to national recovery.

"I hope that farmers will not complete their plans for this year's crops until they have had opportunity to study the new act, and that all those to whom it offers advantages may cooperate in the program now being launched."

Odds *and* Ends

THE winter just past was a good one for staying home. For a good many weeks, in some districts, farmers found it impossible to get to town except by using snowshoes or bobsleds. And during the March thaw, even light wagons got stuck on some side roads. After this, doesn't it feel like flying to get the automobile out on the road again?

WITH corn cheaper than hogs, we are seeing the usual results in increased weight of hogs sent to market. At the seven principal hog markets, in the first week in March, the weights of barrows and gilts averaged 230 pounds, as against 217 pounds the year before. The Omaha and Sioux City markets had the heaviest average weights—243 and 247 pounds, respectively, against 221 and 222 the year before. Spring pig crop reports indicate a big increase is on the way, another result of the widened corn-hog ratio.

EVERY day we get reports of corn beginning to go bad as the result of the warm spell in March. Even some cribs of sealed corn don't look any too good.

Those with sealed corn should remember that the government can call the loan at any time if inspectors find the corn isn't keeping well. It will be good business for farmers to pay up loans on any doubtful cribs now and get rid of the corn before real warm weather lowers the grade still more.

AN Iowa farmer came in the other day to suggest that candidates for county office be required to take a civil service examination before the primaries. "Let voters know whether a candidate can add and subtract, anyway," he said. His point is that many elective positions require definite technical qualifications, that a sheriff, for instance, ought to know something about the law, about crime detection and prevention, and about managing an office which handles considerable public money. If a candidate failed in such an examination, voters could still elect him if they wanted to, but at least they couldn't say they weren't warned.

IN the regional conference at Chicago, on the soil conservation plan, we found a few farmers quite concerned lest the cotton south get too much benefit out of the new program. Folks who came up to Chicago from the Memphis meeting reported that some cotton planters were worried about the corn belt getting most of the benefits. And within the corn belt, there have been times when folks from different states have argued hotly that the other fellow was getting the best of the bargain. In other words, the grass in the next pasture is always greener.

Fortunately, most farmers aren't spending their energy in worrying about whether the other fellow is going to get more than his share. We suspect that the Department of Agriculture is doing about as well as anybody could do within the limits laid down by congress, in dividing soil conservation benefits among the states. If any farmer thinks it's an easy job, let him take the last census, the Department of Agriculture Year-Book, any other reference books he wants, and try to split up $430,000,000 so it will do the most good for soil conservation and farm income, and leave every state feeling that it got just exactly the amount it deserved.

Farm *and* Feed Lot

See That Your Seed Corn Tests High

Early Lambs Pay

Market conditions this year favor farmers who produce early spring lambs, feed them liberally and market them in May or June, it is pointed out by E. B. Robbins, livestock extension specialist of the University of Illinois.

Fat lamb prices are now good, having advanced in late 1935 to the highest point in the past five years, Robbins reports. Furthermore, the number of range lambs now on feed is smaller than usual. This combination promises that the first of the 1936 crop of lambs should find a ready and profitable market.

A rugged February or early March lamb, which is fed grain from the start, can be sold weighing 70 to 80 pounds around June 1, a season when the market is expected to be strong. Ground corn, oats and a little bran and linseed oil meal make a good starting ration. Later on, the lambs may be changed to shelled corn. A good legume hay, preferably alfalfa, should also be fed. It is best to feed the lambs in a small pen that is equipped with a creep, to keep out the ewes.

Lambs handled in this way are not affected by stomach worms; they are exposed to a minimum of risk from dogs, are sold before hot weather checks their growth, and provide a quick cash income. Usually, they sell for more dollars per lamb than they would bring in later months of the year.

A Potash Test

Since the discovery that some soils will respond to potash treatment which formerly were not supposed to be potash deficient, there has been a demand for a reliable apparatus for testing potash that is suitable for use in the field. Such a test has recently been developed by investigators at the University of Illinois.

The potash test is somewhat more complicated than the acidity and available phosphorus tests which are now in general use. More chemical reagents and equipment are required and more manipulations are involved in the procedure. However, it has been found possible to arrange a convenient carrying case containing the materials necessary for a hundred tests and sufficient apparatus for making ten tests before washing the dirty apparatus. Outfits are obtainable from the Urbana Laboratories, at Urbana, Ill.

Making the Test

The test is made by measuring ten grains of dry soil into a small glass beaker and adding ten cubic centimeters of extracting solution. The soil and the solution are stirred and then filtered thru a small filter paper or a funnel; or, in place of this method, a specially folded filter paper is inserted into the wet soil in the beaker and the clear extract is allowed to collect in the bottom of the filter cone.

One cubic centimeter of this filtrate is then taken out with a calibrated medicine dropper and placed in a small, flat bottomed vial. To this are added three drops of a second reagent. After mixing, one cubic centimeter of a third reagent is allowed to flow down the side of the vial without mixing with the extract at the bottom. The two liquid layers next are gradually mixed together by gentle shaking. The vial finally is held about one-half inch above a turbidity chart and the turbidity noted by the clearness with which the different sets of lines described on the chart may be seen when looking thru the solution from above.

When a sufficient supply of potassium is present, a heavy precipitate is formed, completely obscuring the heaviest black lines. Where very small amounts are present, not enough precipitate is formed to obscure even the light green lines on the chart. Intermediate amounts of potassium in the extract produce varying degrees of turbidity.

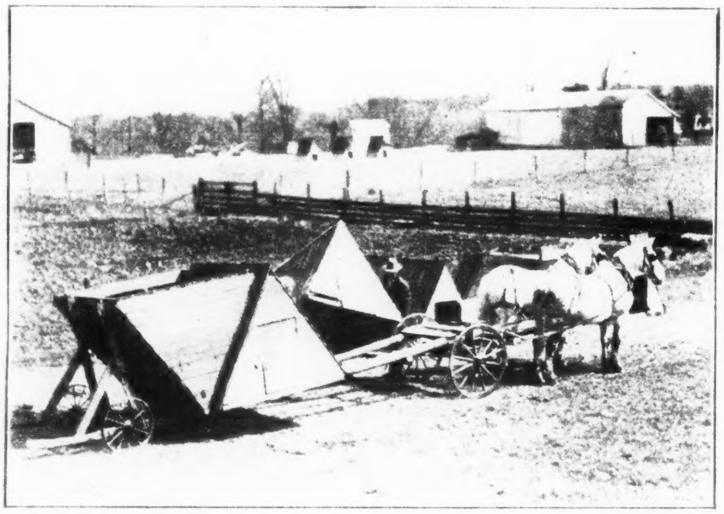
Seven or eight composite samples, representing the dominant soil types in any field are suggested for making the test. The samples should be allowed to dry naturally without the use of artificial heat. It is suggested that the twenty-three samples usually tested on a forty-acre field be separated into groups showing non-acid, slightly acid, medium acid and highly acid, respectively. Samples giving the same acidity test may be combined for composite samples. These several different combined samples of soils from the same field would thus suggest the fertilizer needs.

On areas with a high potash test, it is usually assumed that a good response to potash fertilizers could not be made under conditions ordinarily found.

If some sections of a field test low, while others test high, it is impossible to make a definite recommendation.

If low tests are generally obtained, a lack of sufficient potash for maximum crop yields is indicated, and, therefore, favorable results might be expected from an application of potash fertilizer, unless the crop is held back by other deficiencies. A good response to potassium, of course, can not be expected in the face of a deficiency of any of the other requirements.

Soils low in potash may be helped by applications of farm manure and plowing under green manures, corn stalks and wheat or oat straw.



Wagon outfit used at the Purdue, Ind., experiment station for moving individual hog houses from farrowing lot out to spring pasture.

Box Stalls vs. Stanchions

Will cows produce better when kept in box stalls than when kept more closely confined in stanchion stalls or in the newer type of tie stalls? Some dairymen think that the box stall is an advantage, particularly for high producing cows.

In order to get some information on this question, the Ohio experiment station compared the effect of different methods of stabling on the production of twelve mature Holstein cows. The box stalls used were roomy, well lighted, and had good ventilation. The stall ties consisted of chains looped over a pipe in front of the cows and fastened into rings on the neck-straps of the animals. The stanchion stalls were of the usual type, with a swinging, adjustable stanchion.

The results of the Ohio experiment indicated that the type of stall in which the milk cows were kept apparently was without influence on the production of milk or butterfat; or, stated in another way, stabling cows in box stalls did not increase production over keeping them in tie or stanchion stalls.

However, aside from production, box stalls are sometimes justifiable as a form of insurance against injury by other cows and against accidents which may happen in regular stalls, particularly with heavy uddered cows or those about to calve. Keeping cows in box stalls may offer some degree of segregation against certain diseases. Also, in practice, cows kept in box stalls suffer less from food stealing by neighboring cows than if they are kept in the regular stall line.

Nurse Crops Compete

Farmers who have had trouble in obtaining clover seedings with nurse crops are reminded by C. J. Willard, of Ohio State University, that the more competition given the clover by the companion crop, the fewer the chances of getting a good seeding.

The only reasons that clover is seeded with a grain crop are to protect the clover plants from being washed out before they become established and to keep down weeds, which would be more injurious than the grain crop. As a rule, spring grains are better than fall sown cereals as companion crops for legumes, because oats and barley do not compete with the young clover as much for food and water as strongly growing fall grains do.

When fall sown wheat is used as a nurse crop, clipping in the spring may save the seeding. At least, this has been the result in tests at the Ohio station. Last year's seedings, in wheat which was not clipped, were failures. Wheat which was clipped in April yielded almost as well as that which was not clipped.

Another way of reducing competition from nurse crops is to sow less grain per acre, but this is not very effective with fall sown varieties, as these stool vigorously when seeded lightly. Early seeding of legumes helps to get successful stands.

Legume seeds should be covered, either by sowing on soil soft enough so rains will cover them or by harrowing lightly after the seed is put in. The seeding may be split by sowing half of the seed early and half late enough to avoid frost danger. Red clover may be sown a little earlier than alfalfa.

More legume seedings fail because the soil is deficient in lime than for any other reason. The soil should be tested before the seedings are made. County agricultural agents can make the tests or explain how soil samples should be taken. In some cases, applications of super-phosphate help grain yields and improve chances of getting a good clover seeding.

More Poor Seed Corn

The low vitality of seed corn thruout the central corn belt is borne out by a recent report from the University of Illinois. Twenty-eight per cent—more than one-fourth—of the seed in samples from eleven counties was found to be dead in a test check-up. Twenty per cent of the seed germinated weak, and this, together with the dead corn, left only about half of it germinating strong.

The best lot of seed in the Illinois tests to date has been a small sample from a southern county of that state which contained only 2 per cent dead seed and 14 per cent weak.

Hopes that cribs of corn containing seed reasonably safe for planting could be located are not being realized. The biggest crib was one of 3,200 bushels, but it tested 39 per cent dead and 19 per cent weak, with a disease rating of "bad."

In another crib, 58 per cent of the seed was dead, 24 per cent of it germinated weak, and diseases were "bad." One lot of 500 bushels germinated 23 per cent dead and 18 per cent weak, with diseases "medium." Four lots of 100 bushels showed all the way from 4 to 58 per cent of the seed dead and from 15 to 42 per cent of it weak.

These results strongly suggest the advisability of every farmer testing his own seed supply.

Codliver Oil and Pigs

Codliver oil has little if any place in practical, well balanced rations for hogs, according to results of tests just concluded by the Illinois experiment station. The outcome of these tests is considered significant because conditions were especially favorable for codliver oil to exert any benefits which it might have had. The ration consisted largely of hulled oats fed during the winter, with the pigs not allowed outside the small barn.

Previously, pigs which were fed this ration had made poor gains and had developed severe lameness and a crippled condition. Bone meal was added to the hulled oats ration for one group of pigs, codliver oil for another group, and both bone meal and codliver oil for a third. Still another group was fed a balanced ration of corn, tankage, alfalfa and salt.

Pigs that got the bone meal alone or bone meal and codliver oil together, remained normal. However, codliver oil without bone meal did not protect the pigs.

Navel Infection

A correspondent writes: "I want to give you my experience with navel trouble in colts. I nearly lost a colt last spring, even after putting iodine on the navel as soon as the colt was born, and had the veterinarian here, too. Then in a few days the joints all began to swell, until the colt didn't like to stand up. A friend told me to get 15 cents' worth of corrosive sublimate and put one-fourth of it into one-fourth of a pint of water, and bathe the navel three times a day. This has beat anything I have ever seen."

We want to thank our correspondent for this report of a successful treatment of the navel with a saturated solution of bichloride of mercury, or corrosive sublimate. This drug is a powerful antiseptic, and is used for the same purpose as iodine, namely, to kill the germ life on the stump of the navel, that is getting into the blood-stream of the colt. Perhaps the main reason why it is not more often prescribed as an antiseptic is due to its extremely poisonous nature and the corrosive action it sometimes has on the parts to which it is applied. Let us suggest that no matter what antiseptic is used, it is important to remove any thick accumulation of secretions and such scabs as may be present on the stump of the navel, in order to let the drug act directly on the germs.

More Lespedeza On Farms

Missourians Praise Use of Japan Clover for Improving Run-Down, Sour Soils

TEN years ago, few farmers in the southern part of the corn belt were acquainted with the legume known as Korean lespedeza (which is pronounced les-peh-dee-zah). Today it is rapidly becoming one of the most prominent of the hay and pasture crops. Its growth in popularity has been particularly noticeable in Missouri and the southern tier of counties in Iowa.

Lespedeza originated in eastern Asia, having been grown in Japan and various parts of China for hundreds of years. Of the various varieties, the Korean (sometimes called "Japan clover") seems to be best suited for planting in the northern sections of the United States. As a rule, it is not as large a legume as clover or alfalfa, being from twenty to thirty inches in height. It tends to sprawl on the ground unless planted thickly. The root system of lespedeza is not deep, but the proportion of roots to tops compares favorably with red clover.

How has Korean lespedeza made such a rapid increase in acreage during recent years? In Bulletin 360, recently issued by the Missouri experiment station, W. C. Etheridge and C. A. Helm summarize the reasons as follows:

"Korean lespedeza furnishes an abundance of highly nutritious pasturage thru the summer and early fall. For the combination of safety, availability, nutritive quality and carrying capacity over the period from late June to early October, this legume is not equaled by any other legume plant now known to Missouri agriculture. . . .

Makes a Valuable Hay Crop

"It is a valuable crop for hay. The yield is good, the curing is easy, the quality is high. . . . It will grow well on any farm land in Missouri, tho in some places the growth may be improved by lime or phosphate fertilizer, the latter being applied to the grain crop in which the lespedeza is to be sown.

"Lespedeza, if pastured," the Missouri workers continue, "will rapidly add nitrogen and organic matter to the soil. It is perhaps the most economical means for improving poor soil, for it can grow where expensive soil treatments can not at first be afforded, and thereby cause an soil improvement which may be a basis for a more profitable use of lime and fertilizer. Because of its vigorous and well rooted growth, lespedeza is highly efficient in the control of soil erosion."

One of the principal reasons for the success of lespedeza in Missouri and areas of similar latitude is the fact that tho the legume is an annual, it reseeds itself satisfactorily every year. Thus, a permanent lespedeza stand can be maintained from year to year.

When moved very far north of the central Iowa line, lespedeza seems to succeed with more difficulty, on account of the shorter season. Thus, stands in central and northern Iowa will not, under average conditions, yield more than one season of growth from a single seeding. Eventually an earlier maturing strain of lespedeza, better adapted to more northerly conditions, may be developed. Even for one season, the lespedeza may have a definite place on farms. Where the soil is too acid for clover and the operator is in a position that he can add lime and manure or phosphate fertilizer, . . .

Korean lespedeza, like red clover, is best sown with one of the spring small grains. It may also be sown alone or on grass in a permanent pasture, but it effectively uses the soil for only about six months and does not thrive long in a heavy grass sod.

Where lespedeza is put in with oats, it may be dropped thru the grass attachment on the drill or broadcast by hand ahead of the drill. If the oats are also broadcast, the Missouri station recommends first disking and harrowing in the oats, then sowing the lespedeza by hand, and finally harrowing the ground again so as to cover the legume seed evenly.

Winter seeding is recommended where lespedeza is added to a pasture. When used alone, lespedeza is commonly sown at the same time as spring small grain. The seed-bed should be well disked, so that the seed will be readily covered by the alternate freezing and thawing of the ground.

As for rates of seeding, the Missouri station recommends twenty to twenty-five pounds per acre on good land and fifteen to twenty pounds per acre on medium to poor land. For sowing lespedeza on pastures or meadows, the rate may range from three to ten pounds per acre, depending on the uniformity of applying the seed.

Where the seed is being sown for the first time, it is advisable to use an artificial inoculant. The bacteria required for inoculation is different from that required for the clovers and alfalfa.

Altho Korean lespedeza surpasses other legumes as an improving crop for land that is poor and sour, it must, of course, be kept in mind that long continued use of it or any other crop, without soil treatment, will naturally reduce to still lower levels the available phosphate and lime in the soil. Thus, it is desirable, from time to time, to add some plant food, in the form of limestone and manure or commercial fertilizers and limestone. When lespedeza is sown with a small grain such as oats, an application of 125 to 150 pounds per acre of 20 per cent superphosphate will usually increase the yield of both crops.

With oats as a nurse crop, normally the grain will ripen without injury to the lespedeza. If June is dry and hot, it may be advisable to cut the oats for hay when the kernels are in the milk stage. After harvesting the grain, the lespedeza may be pastured into the early fall, or may be cut for hay or seed, or by good management, under favorable conditions, may partially serve both purposes.

Under conditions similar to those found in Missouri, Korean lespedeza is best utilized as a pasture crop between late May and early October. It usually furnishes an abundance of pasturage during July and August, when blue grass and other pasture grasses are drying up.

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NEW GOODYEAR ALL-TRACTION TRACTOR TIRE
30% greater draw-bar pull . . . 50% greater traction in snow, mud, ploughed land and on hills . . . both forward and backward. PROVED IN FARM TESTS!

"Everybody around here who has tried P. A. on that No-Risk Offer is mighty well pleased," says JACK WAGNER

SEEING JACK get so much joy out of roll-your-owns makes what he says about P. A. sound mighty convincing. "Prince Albert is sure enough high-class tobacco," he says. Start smokin' P. A. on the no-risk, money-back offer below. Everybody who has tried it is mighty well pleased.

HE'S FAST. In 8 seconds Jack can roll a beautiful, neat smoke and be ready to light up. Prince Albert is "crimp-cut." That makes P. A. roll easy and smoke mild and cool. As Jack says: "I like the way Prince Albert is packed in tin that keeps it fresh. And the tobacco is easy to get at." P. A. is a *great* tobacco in pipes, too, *men*.

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You'll praise Prince Albert, too, once you try it. . . . *Here's our offer:*

Roll yourself 30 swell cigarettes from Prince Albert. If you don't find them the finest, tastiest roll-your-own cigarettes you ever smoked, return the pocket tin with the rest of the tobacco in it to us at any time within a month from this date, and we will refund full purchase price, plus postage.
(*Signed*) R. J. Reynolds Tobacco Co., Winston-Salem, N. C.

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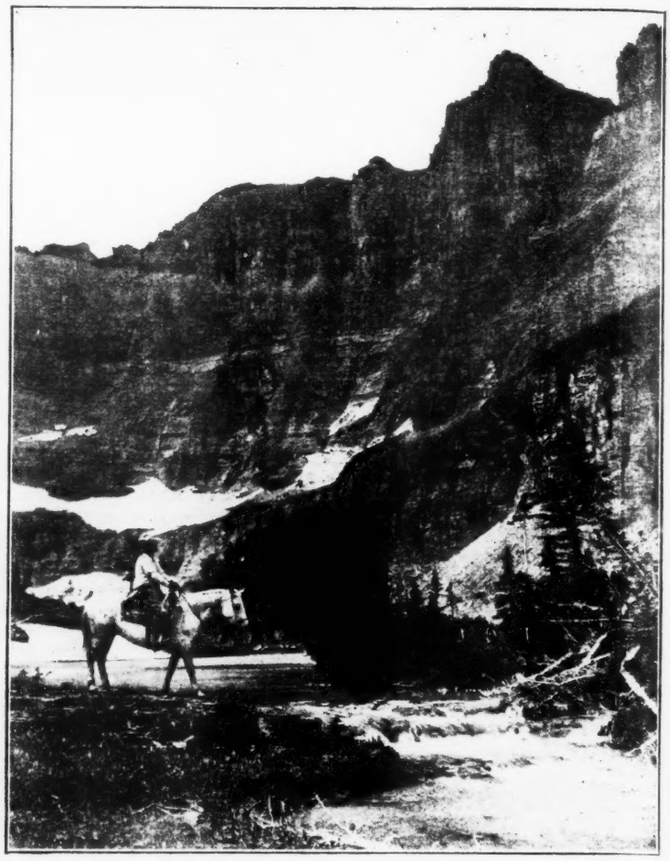


On the trail in Glacier National Park.

Take a Trip With Us

Vacation Tour Planned for Readers This Summer Provides Travel Treat

PERHAPS you have not as yet thought seriously about a vacation for this summer, but we have been thinking about one for you. In fact, Wallaces' Farmer and Iowa Homestead has been doing more than just thinking about a vacation for its friends and readers—it has been doing something about it.

Many detailed plans for the 1936 Wallaces' Farmer and Iowa Homestead Vacation Tour have already been made. Arrangements have been practically completed with the railroads in order that tour members may be assured of the finest in travel accommodations. The route has been decided upon. And what a wonderful route this year's schedule includes!

So, before you make any plans concerning a vacation for this summer, be sure to get all the interesting details of the 1936 Wallaces' Farmer and Iowa Homestead tour this August, to Glacier national park, the Pacific northwest, California and the Grand Canyon of the Colorado river.

Wide Variety of Interest

Just to read over the list of cities and places to be visited on this year's tour is enough to assure that tour members are in for a travel treat far more thrilling than has been offered by previous tours of this kind.

Starting with glorious Glacier national park, with its spectacular mountain and lake scenery, the tour continues to offer thrilling adventures of equal fascination every day of the journey.

After Glacier national park, there come Seattle, Wash., and Portland, Ore., followed by the wonderful trip down the Pacific coast to sunny California, where we visit San Francisco, Los Angeles, Hollywood, San Diego, and make a thrilling boat trip over to famous Catalina islands. On our way homeward from California we visit the Grand Canyon.

Even tho this year's tour includes many added travel features, the complete, all-expense cost has been held to the very minimum, and those who plan to go will be surprised at the low cost.

Complete information and the cost rates will be available in attractive illustrated literature in the near future. Send your name to the Vacation Tour Director now and your copy of this interesting literature will be mailed as soon as it is off the press.

Production Credit Loans

Nearly one million dollars a day is going to farmers in loans from production credit associations for 1936 crops and livestock, according to figures which were recently given out by the Farm Credit Administration.

Reports during the month of February from the 550 associations showed that more than $21,000,000 was lent during that period, which was an increase of 30 per cent over February of last year. Indications point to a March loan volume which will be considerably ahead of the amount put out in March of last year, according to S. M. Garwood, production credit commissioner.

More than thirty million dollars in secured cash loans from the associations in February, the greater part of these loans being made in the southern states, where the crop season is already well under way. The associations in the south Atlantic states made nearly ten thousand loans during the month.

1935 Livestock Prices

Average farm prices of livestock and livestock products were 39 per cent higher in 1935 than in 1934; they were 61 per cent higher than in 1933, and 60 per cent higher than in 1932, according to the Bureau of Agricultural Economics.

All livestock commodities except wool sold much higher in 1935 than in 1934. Meat animals were up 68 per cent; chickens and eggs, up 35 per cent; work animals, up 15 per cent, and dairy products, up 13 per cent. Prices received by farmers for wool were down 11 per cent.

Outstanding gains were made in prices of hogs during the past year, the average farm price being $8.36 per 100 pounds live weight, compared with $4.14 in 1934. This marked advance is attributed chiefly to "abnormally low market supplies of hogs."

Cattle and calves advanced sharply in price, with beef cattle averaging $6.21 per 100 pounds in 1935, compared with $4.16 in 1934, and veal calves $7.10, compared with $4.84. Prices for sheep and lambs advanced, largely in response to the general shortage of meat animals in 1935 and to improved demand.

Of the dairy products, butterfat advanced most sharply in price from 22.7 cents per pound in 1934 to 28.1 cents in 1935. The advance in butter prices is attributed to improved consumer demand and a material reduction in edible fats.

Rough Cement Floors

The most practical treatment for cement floors which seem soft and inclined to dust is to saturate them thoroly with sodium silicate (water glass) as follows:

Wash the floor thoroly with clear water, scrubbing with a stiff broom or scrubbing brush, removing all the dirt. Allow the surface to dry. Mix one part water glass (sodium silicate) of 40 degrees Baume with three to four parts of water, total four to five parts, depending upon the porosity of the concrete. The denser the concrete, the weaker the solution required.

With a brush, apply one coat evenly over the entire surface. This will penetrate into the pores of the concrete. Allow the concrete surface to dry; after twenty-four hours apply another coat the same as before. Again allow the surface to dry, and apply another coat. If, after twenty-four hours, the third coat is not flush with the surface in any part of the floor, apply another coat. That which remains on the surface can be readily removed, thus evening up the floor. That which has penetrated into the pores has come in contact with alkalies and salts in the concrete and formed into an insoluble, very hard mineral glue.

There are also on the market several satisfactory commercial compounds for keeping down dust and hardening concrete surfaces. Information concerning these can be secured thru the Portland Cement Association, Chicago, Ill.—I. W. D.

Feeding Dairy Sires

The general rule in feeding a mature dairy bull is to give him enough grain to keep him in good condition, and all the hay he will readily clean up. The grain allowance ordinarily varies within the approximate limits of from four to ten pounds daily, depending on the individual bull. The same grain mixture fed either to producing cows or grazing calves usually will be satisfactory for feeding the bull.

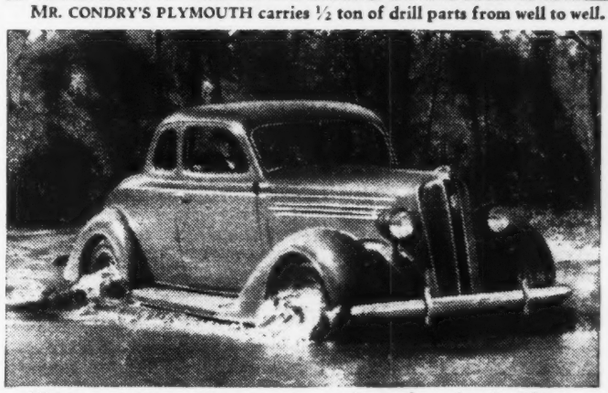
In addition to good quality hay, preferably leguminous, some dairy-type feed silage or root crops. Beet pulp soaked in water also is fed to some extent.

During the season of growing crops, good pasture is excellent for bulls, because of the daily exercise involved, as well as the succulent feed afforded. It is important that a bull take enough exercise to keep him in moderate flesh.

"I've Put 'All Three' over the Bumps.

—AND PLYMOUTH IS MY CHOICE OF LOW-PRICED CARS"

MR. CONDRY'S PLYMOUTH carries ½ ton of drill parts from well to well.



"BOGS . . . SAND . . . RUTS: my car gets plenty of rough going! But my Plymouth has the stamina . . . and lots of style, too," says Mr. Condry.

"IT'S THE CAR for this work," he says. "Farmers should appreciate Plymouth's stamina."

A CERTIFIED INTERVIEW WITH N. P. CONDRY, OIL CO. SUPERVISOR, CONROE, TEXAS

POUNDING THROUGH rough going of the oil country, Field Supervisor Condry needs a car that stands up. "I know Plymouth is engineered and built right," he says, "so I bought one."

When he first got his 1936 Plymouth, Mr. Condry couldn't believe he was getting 23 miles to the gallon. "I built me a tester with a quart can and some copper tubing . . . yes sir . . . 23 miles to the gallon is the figure!"

Mr. Condry sometimes has to carry over a half a ton of drill parts to the wells. "My Plymouth handles it, sure enough! . . . and say, it's a pleasure to drive," he says.

Thousands of farmers will back Mr. Condry up in his enthusiasm about his Plymouth. They know about this safety, economy, reliability and comfort. Drive one of these cars at any Chrysler, Dodge or DeSoto dealer's.

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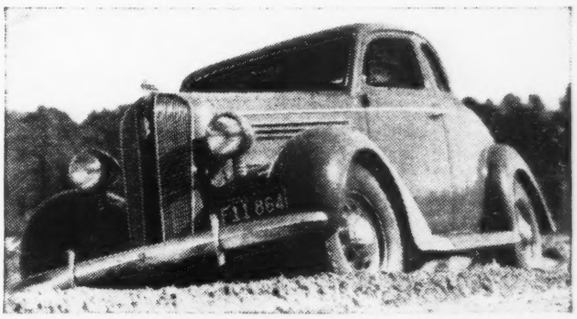

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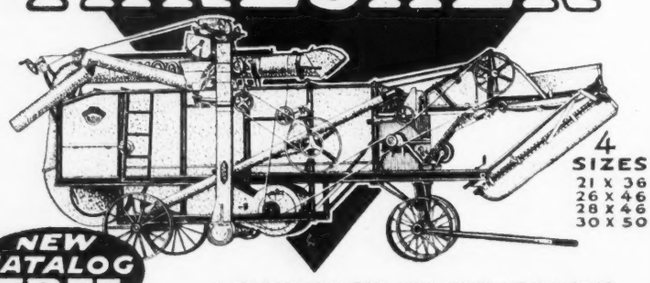

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Getting Pastures Started

Here Are More Suggestions About Grass Mixtures for New Seeding

IT would seem that the letters we printed in the last issue brought out about everything worth mentioning in connection with establishing and managing pastures. We might summarize a bit and emphasize a few other points, however.

Two or three correspondents mentioned smooth brome grass. In a pasturing experiment at the University of Illinois, this grass is yielding nearly twice as much in rich, black soil as Kentucky blue grass, and is giving alfalfa and sweet clover a good race. We believe it will outyield Kentucky blue grass more on fertile soils than on less fertile ones. Its drouth resistance is well known, and it is particularly well suited in northwest Iowa and on into Minnesota, South Dakota and Nebraska.

They learned at the Iowa station that if there is a mixture of brome and Kentucky blue grass in the same field, closely grazed, the blue grass will drive out the brome. Therefore, it may be better not to sow brome and Kentucky blue grass in the same mixture. Either may be included with the timothy and clover mixture to excellent advantage. It probably will not pay to include either brome grass or Kentucky blue grass in the seeding mixture unless the field is to be pastured three or four seasons.

Alfalfa in Pasture Mixtures

We are glad alfalfa was included in some of the mixtures suggested. Everything considered, it is probably the most efficient producer of high protein pasture. If a sure bloat preventing system can be found, it will greatly enlarge the use of this crop for pasturing cattle and sheep. The Iowa station seems to think there is not much danger if there is lots of grass mixed with the alfalfa. The Michigan station is strongly recommending alfalfa for pasture when mixed with timothy or brome grass. The Ohio station is recommending seeding timothy on old alfalfa fields and using them for pasture.

We would like to have letters from our friends, telling how to pasture cattle and sheep on alfalfa without having them bloat. Is it any worse than clover in this respect?

We believe every one recommended clover and grass mixtures. The legumes are richer and more productive, and the grasses grow better with them because of the nitrogen supply. Grasses, on the other hand, are more durable than legumes, and are needed to balance the ration.

Rape was mentioned in a couple of the letters. It has wide soil adaptation, is nutritious and productive. About one and one-half pounds per acre may well be added to any clover and grass mixture for first-year pasture. Six pounds per acre is a full seeding when rape is seeded alone or with small grain. It would seem that every acre of small grain not seeded to clover and grass might well be put in rape, because the seed is so cheap. We wonder why the practice isn't followed generally.

Alsike and white Dutch clovers and red-top and reed canary grasses are best for low, poorly drained areas and peat soils. Reed canary grass is much more productive than red-top, but the seed is high priced. Timothy is often included in the mixture if the land is not too poorly drained. A mixture consisting of two pounds of reed canary grass, four of red-top, three of clover and four of timothy per acre may be used; or this may be varied as desired.

Wild white clover, recommended strongly in the east, is not well suited in the corn belt. The English wild white clover is shorter growing than our common white clover, is not as productive, and will not last as long, according to Iowa tests.

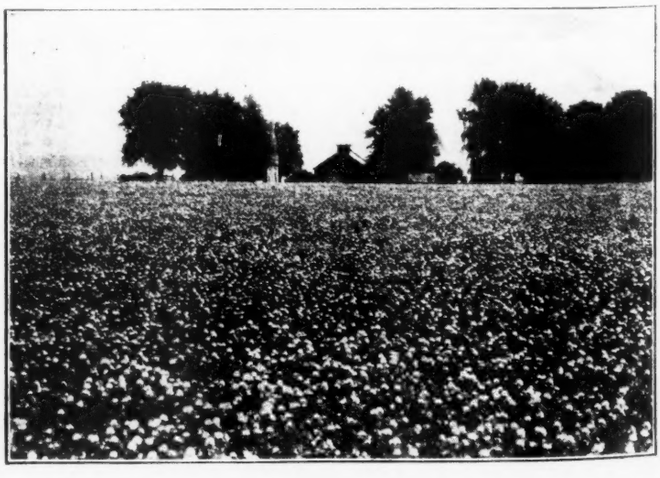
Vary Mixtures to Suit Soil

The matter of choosing legumes and grasses to suit the soil is emphasized in Iowa Station Bulletin 331, entitled "Choosing Legumes and Perennial Grasses," a copy of which will be sent free to any one who writes for it to the Iowa State College, at Ames. In this bulletin, they are classified largely on whether they are sweet or acid.

Sweet clover and alfalfa are most productive, but require more lime than red and alsike clovers. Korean lespedeza grows on acid soils, but probably should not be used north of the south tier of Iowa counties.

Grasses generally are not as particular about the lime content. Kentucky blue grass, timothy, brome, orchard grass, red-top and meadow fescue grow over a wide range of soils. Red-top and Canada blue grass are not generally as productive, but are better suited to some of the poor, acid soils.

A good mixture for a moderately acid soil with a lime requirement of from one to two and one-half tons per acre—which perhaps is about an average situation—includes, for seeding an acre, two pounds of sweet clover, five of red, two of alsike, or



There will be a lot of clover fields like this one started in 1936. A field seeded to red clover, with the nurse crop pastured or cut for hay, is classed as soil conserving, and helps to qualify the farmer for a federal grant in the soil conservation plan.

USE MORE SEED

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When you sow this year, don't think only of this year's crops. Think also of the fertility of your farm in the years to come. Sow enough seed to get a thick stand that will prevent erosion and give you greater profits in the long run.

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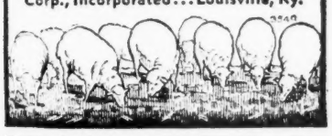

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and one-half of rape, and five of timothy. If it is to be in pasture for three or four years, add three to seven pounds of either Kentucky blue grass or smooth brome grass.

Such a mixture may be varied almost any way. On a neutral or only slightly acid soil, more sweet clover and alfalfa can be used to advantage, with the medium red and alsike clovers considerably reduced. Most fields are more acid in certain spots than in others, and the mixture should be wide enough to allow for this. Usually, high spots are more likely to be acid than low ones.

Some of the letters indicate excellent results from pasturing off the nurse crop. Very few failures from this practice are reported, if care is taken and grazing is not too close. It is believed to be the surest method of establishing a stand. If sweet clover is pastured nearer than about four inches above the ground the first year, it will be injured, however. Any kind of small grain can be used for the nurse crop if it is pastured off.

Domestic rye grass, at the rate of about ten pounds per acre, may be used to advantage in place of the small grain nurse crop when the seeding is to be pastured. Rye grass should be considered solely as a nurse crop, however, because it will not live thru the first winter.

Next to pasturing, the surest method of establishing stands is to cut the nurse crop for hay soon after it is headed. Early, short strawed oats, such as Iowa 105, Iogold, Iowa 103 and Kherson, are good nurse crops, as are the barleys. Spring wheat is usually poor. Winter wheat and winter rye are excellent nurse crops if pastured, but are usually poor on fertile soils if cut for grain.

Early Spring Lamb Crop

The early spring lamb crop of 1936 in the principal early lambing areas is about 6 per cent larger than the early crop of 1935, according to reports received by the Department of Agriculture about March 1. The term "early lambs," as here used, refers to lambs that are usually marketed before July 1. The condition of the 1936 early lambs, about March 1, on the average, was somewhat lower than was the condition of the early lambs a year earlier.

Except in California, Arizona and Texas, weather conditions during the lambing season and since have been much less favorable this year than last. Supplies of feedstuffs and old feed have everywhere been more abundant this year than last, but in many of the areas green feed either has been late in starting or has been entirely lacking, which has tended to retard the development of early lambs.

As a result of the extremely cold weather in January and February—the principal lambing months for most of the early lambing states—death losses of early lambs were considerably larger than normal, and the percentage of the lamb crop saved was considerably reduced. The market movement of lambs from all states except California and Arizona is likely to be somewhat delayed unless spring weather is very favorable, but total marketing of early lambs before July 1 will probably be larger this year than last.

Rural Power Lines

The Rural Electrification Administration recently made the announcement that the following loans had been made in the corn belt: To the Scott county, Iowa, Rural Electric Cooperative, $260,000 for 265 miles of electric line to serve about 900 customers; to the power district of Lancaster county, Nebraska, $396,000, for 354 miles of line to serve also about 900 customers; to the Meeker county, Minnesota, cooperative, $450,000, for putting up 420 miles of line; and to the Champaign county, Ohio, cooperative $595,000, for 440 miles of line to serve 1,925 customers.

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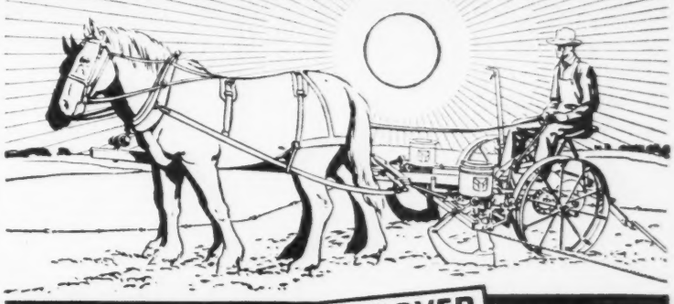

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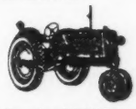

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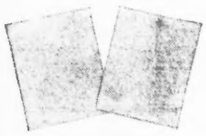
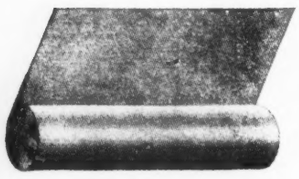


Nelson's Individual Shingles offer many possibilities for interesting roof treatments—available in two sizes—wide range of colors.



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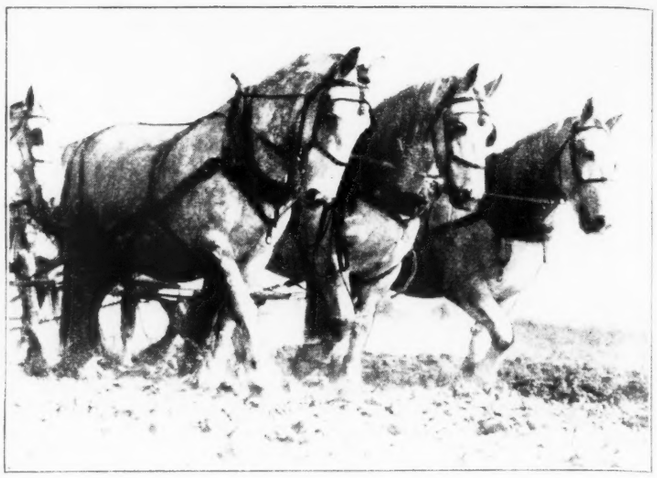


Turning Farm Furrows

An Iowa Farmer Writes About Spring Work in the Corn Belt

ONE of our readers in northwestern Iowa tells us that forty years ago he enjoyed greatly a department in the Iowa Homestead entitled, "Farm Furrows—Turned by a Practical Farmer." Now, still on the farm, he sends in some comments on present-day farming in the same vein—in the hope that they may be as useful to younger farmers today as the old Homestead department was to him in the nineties.

ARE you planning to sow legumes with all your small grain for fall pasture and plowing under later? It is quite expensive just now, with clover so high and the biennial sweet clover is not so good here in northwestern Iowa, where we aim to do our plowing in the fall.

I have tried the annual variety, Hubam, with good success on the lower ground, and will sow some of it again this spring. It is quoted at 89 per bushel just now. At the rate of ten pounds per acre, the cost will be $1.50. The mammoth red is about $12 per bushel. I believe I shall try that on the higher ground once and see what it will do for me. Anyhow, I expect to get my money back next fall for grazing purposes, and have it again returned on the next corn crop. That's a return of 200 per cent, and it's enough.

Why not plant a few trees this spring? The Chinese elms are good if you wish a rapid growth; however, I am partial to the American variety. Surely, they are in every respect worth while, and if given plenty of room they develop into stately trees.

Scarcely a day passes but I think of ways and means for making the farm home a lovelier place to live. Why not provide a chicken tight fence around the dwelling, if you are fortunate enough to have a wife with a love of flowers? Right now, make up your mind that your home will have a lawn that is not overrun with poultry. You, yourself, dear brother, will feel well repaid, and your good wife and children will love the place they call home instead of looking forward to the day when they can leave it. But when they finally do leave the old nest, why not let them carry away dear memories—with them of orchards in bloom, of the bed of roses on the east, and the hollyhocks along the north fence?

I have made up my mind that our windbreak needs a row or two of a tight growing hedge thru it, to hold the drifting snow. Two rows of evergreens on the west side only served as a medium break in the awful blizzards, while tall trees let too much snow drift in around the yard. Holding the snow right in the grove would be of great benefit to the trees.

The brood sows can do just as they please—no restrictions, no birth control. But at that, I am not anxious for too large litters; seven is enough—especially for gilts.

A few more cattle, a few less hogs, grow your own feeders and finish them. Four fat yearling steers averaging about 1,100 pounds, brought me as much one year as forty head of 300-pound hogs.

We have gone hog crazy. Pork is the poor man's meat. It is also the first to hit the toboggan in hard times.

Even tho your grain is reasonably clean, it will pay to reclean it. I've plenty of wind, and be sure your screens are not clogged. This may save you many hours of dreary labor in digging thistles.

Seeds that are not properly covered can not be expected to take root; unless, of course, as sometimes happens, beating rains pound it into the ground.

It is more or less difficult, I know, to cover seed just the right depth in heavy corn stalks. In plowed fields a drill can be regulated as to depth; in stalks, it is more or less chance; it. If stalks are damp, no drill disc will cut thru them; consequently they must hop over.

I have drilled oats in corn stalks and got by in good shape—raised a heavy crop of seventy bushels per acre. I have had fields ready for the drill, and then a wet spell kept me out of the field for days. That's a time when broadcasting has distinct beat a mile.

If you have a large enough field so that one disc can prepare the seed bed ahead of the drill, then of course the risk of being caught by unfavorable weather is eliminated.

Well, the summer's supply of pork and beef is out of the way, canned, some in brine to be used later, a little corned beef, too much, as this should be used after warm weather comes.

Two beef hams were cut up for dried beef. It is so convenient when the good wife is too busy to spend much time at cooking; or if unexpected company drops in. I've never known any one to refuse a few slices of good home-cured dried beef. Personally, I like a slice or two of it with the usual two eggs for breakfast.

Land O'Lakes Men Meet

Cooperative Creamery Federation Re-Elects Old Officers

IN spite of a blizzard and slippery roads, a large attendance was again registered at the fifteenth annual meeting of Land O'Lakes Creameries, Inc., held at the Northwest Terminal headquarters, in Minneapolis, March 11-12. Denial of any cooperative slumps was evident in the enthusiasm of the membership. The recent loss of about 10 per cent of the member plants did not seem to sap the spirit of progress and optimism, as this was not considered unusual after so long a period of difficult business.

According to the business report, in 1935 sales, in terms of all merchandise units, was 130,000,000—that is pounds of butter, cheese, turkeys, dozens of eggs, and other products sold. The sales value in summary was $35,566,291.21, compared with a valuation for 1934 of $32,284,652.89. The 1934 sales slightly exceeded those of 1935 in gross volume.

Brandt Again President

The same principal officers were elected, namely: John Brandt, of Litchfield, Minn., president; Archie Brandt, Ettrick, Wis., first vice-president; Stuart McLeod, Minneapolis, second vice-president; Frank White, secretary, and Emil Johnson, treasurer. Three new directors were elected. District 2, S. A. Striegl, Eau Claire, replacing H. R. Berg, Black City; District 11, E. H. Hubnke, Deer Creek, instead of J. O. Bjorkland, Henning, and District 16, F. M. Rice, Osseo, replacing John B. Leslie, Minneapolis.

Resolutions as submitted by the committee and endorsed by the delegates and members asked that congress legislate at this session to permit haulers to carry checks and weight and test information direct to stations on routes, declaring that the post office department is not justified in requiring that such matter be sent thru the mails. They recommended legislation at once which would impose 5 cents per pound extra excise tax on all oleomargarine made from domestic products sold in the country, with 10 cents additional tax on the butter substitute made in whole or in part from foreign products.

Equalization Fee Principle

The principle of the equalization fee, as developed in the so-called Brandt market plan should be standardized and enacted by congress, another resolution urged. Inasmuch as tuberculin testing has been so widely applied at great expense in this country, the resolutions demanded federal laws to prohibit the movement in interstate or foreign commerce of dairy products not coming from herds officially recognized as free from bovine tuberculosis, which they thought will bar out many shipments now admitted.

In regard to reciprocal trade agreements, the resolutions requested: (1) Adequate advance notice to groups affected on any concessions proposed; (2) no trading of agriculture's privilege for that of any other industry here, with the home market for domestic producers as far as possible to meet home needs; (3) abrogation of favored nations principle in trade agreements, or else (4) repeal of the of the reciprocal treaty act requirement that such agreements be ratified by the senate, inasmuch as this must be done in other nations before such agreements are concluded.

One of the important changes indicated this year in Land O'Lakes affairs is the resignation of H. F. Meyer as sales manager and the employment of Frank Stone, Shawano, Wis., former director of the Badger Consolidated Association, who was for several years prior to that the active manager of Twin Ports Dairy Cooperative, at Superior and Duluth. The new manager is well known to northwest dairy markets and has the confidence of the membership. The change was thought to be advisable in the interest of harmony and progress.

A highlight of the convention was the repetition of a trophy presentation, originally made last summer by the American dairy science group, to Prof. T. L. Haecker, veteran pioneer builder of dairy cooperation in Wisconsin and Minnesota. Mr. Haecker, wearing the little brown button of the Grand Army, accepted the cup from President Brandt in his usual quiet and modest way, making no speech, but beaming with gratitude. Mr. Haecker typifies the conquering spirit of the northwest, and is one of the last links remaining between our modern day and the era of hand-skimming and farm butter-making.

With the Land O'Lakes corporation connected closely in financial aspects with the Farm Credit Administration, the chief officers of the St. Paul branch were introduced and made short remarks.

Surplus Seed Corn

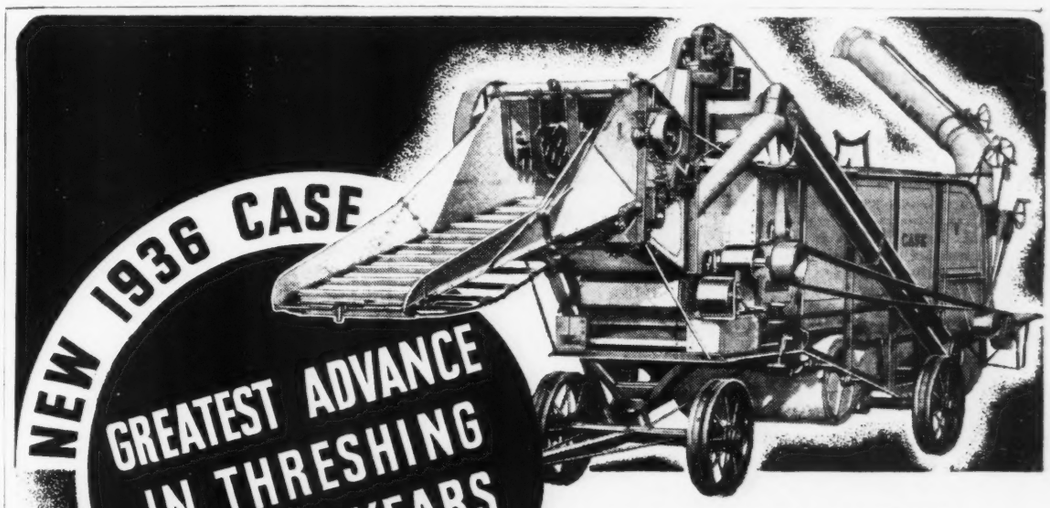
The following Iowa counties are reported to have a surplus of seed corn on hand: Lyon, Plymouth, Palo Alto, O'Brien, Buena Vista, Pocahontas, Kossuth, Winnebago, Hancock, Franklin, Fayette, Ida, Dallas, Story, Marshall, Jones, Jackson, Warren, Fremont, Henry and Muscatine.

Tree Planting

Tree planting in this country is looking up, according to the United States Forest Service. In 1935, the service's own planting on national forest lands was very close to a quarter million acres, more than that planted by all agencies—federal, state and private—in 1934, when the total was 206,833 acres.

Up to last year, the grand total of plantings by all agencies in the United States amounted to only 2,394,397 acres, equal to about half the area of Massachusetts. However, this year's plantings in the national forests alone will increase the total by more than 10 per cent. There are more than 162,000,000 acres in our national forests, and the estimated total forest acreage in this country is over 500,000,000 acres.

In the whole world, there are said to be about 7,500,000,000 acres of forests, more than 1,100,000,000 in North America; Asia and South America have more than 2,000,000,000 forest acres each; Europe and Africa have less than 800,000,000 each.



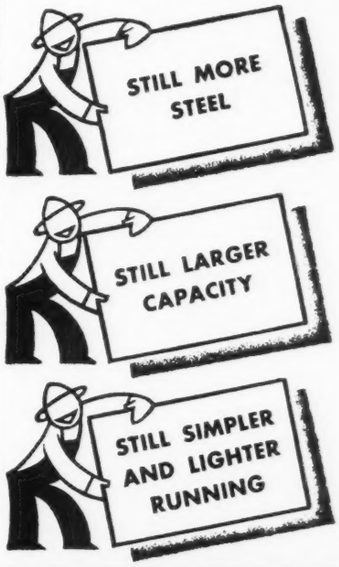
FOUR GREAT FEATURES

WIDE MOUTH FEEDER
Inches wider than cylinder, takes care of ragged, tangled bundles. Feeds tough grain high, dry or fluffy straw low. Combs, spreads, controls straw to cylinder. Two-point volume control plus speed governor.

ALL-STEEL CYLINDER
Flanged heads of pressed steel plate—drop forged steel hubs—machined steel shaft—double steel bars inside and outside the steel bands. More paths of teeth, spaced one inch apart.

STEEL-GRID STRAW RACK
Electrically spot-welded steel slats have 56 percent more open area for grain to drop through—still better bottom beating—swifter, surer separation from straw. No obstructions—only four bearings, all outside.

AIR-LIFT CLEANING
Uniform air pressure under entire sieve from underblast fan lifts chaff, keeps sieve clear, saves grain. Wider shoe adds capacity, improves cleaning.



HERE are four brand-new threshers, designed from top to bottom to give you more capacity; surer separation; cleaner, better-grading grain; easier, more trouble-free operation through a still longer life; LOWER THRESHING COST. Feeding, threshing, separation and cleaning are more effectively done than ever before. Any one of these new Case threshers will quickly pay for itself in time and grain saved. Step out ahead . . . get this modern Case . . . the last word in nearly a century of threshing leadership.

Case threshers have been famous for simplicity and long life since 1842 . . . built of steel since 1904. For 1936 they have still more steel . . . steel-grid straw rack, steel rocker arms, steel concaves, all-steel cylinder, steel shoe. Talk about simplicity! Only 3 minutes to oil . . . only 3 major adjustments, all made from outside while running . . . only 5 belts. And remarkable durability! Ball and roller bearings on all fast-running shafts . . . new steel-encased bearings on tailings auger and elevator shafts . . . sturdier steel bracing.

For All Crops and All Farms

These new Case threshers are adaptable to all threshing, including rice, beans, peas and peanuts, clover, alfalfa and grasses. Send today for new illustrated book showing the extra circle of teeth at each end of cylinder; more straw room under higher, straight line steel decks; pneumatic tires if you like; and many other features that make the 1936 Case the greatest advance in 32 years.

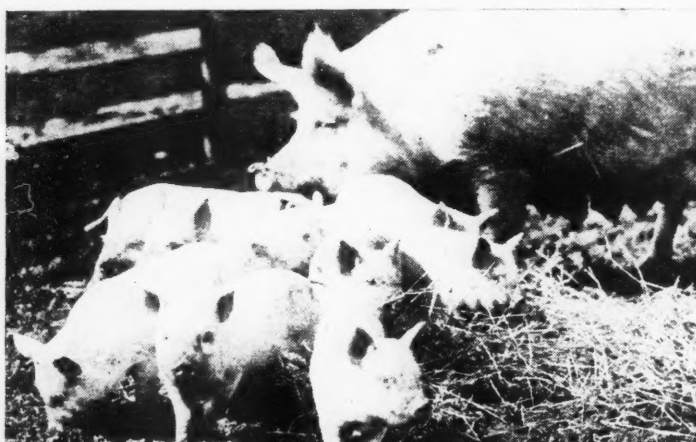
NEW CASE THRESHER FOR 1936

MAIL COUPON FOR THIS BOOK

J. I. CASE CO.,
Dept. C-93, Racine, Wis.
Please send me without obligation, free copy of new book on the new Case threshers for 1936. Also booklets on machines I have checked.
☐ Tractors ☐ Cultivators ☐ Oil Bath Mowers ☐ Pick Up Balers
☐ Planters ☐ Grain Drills ☐ Hay Rakes & Tools ☐ Combines
Name _____
Address _____
_____ *Acreage* _____

CASE

FOR GREATER PROFITS NEXT FALL



START YOUR SPRING PIGS ON

One sure way of turning your spring pigs into bigger profits next fall is to start feeding them OCCO Mineral Compound just as soon as they are weaned. For OCCO supplies all the minerals necessary to build strong, husky frames, and to pack those frames with firm, sound meat. Furthermore, it helps your pigs to get the maximum feeding value out of every bushel of grain. That gives you a two-way saving, for you feed *less*, and over a shorter period of time! Best of all, by feeding OCCO you can get your hogs to market in three to five weeks less time. And that means higher prices!

So start feeding OCCO at once. It pays for itself many times over in bigger profits for you. See your local OCCO Service Man, or write for his name and for FREE folder telling how to get bigger hog profits.

Occo
MINERAL COMPOUND

OCCO Users Say:

"For more than eight years I have been feeding OCCO Mineral Compound. It is the best I ever used, and I will not try to raise hogs without it. By feeding OCCO, I save on grain and the hogs eat less tankage."
AUG. PETERSEN, Andover, Iowa.

"I began feeding OCCO Mineral Compound to my hogs this year, with the result that I now have the best bunch of hogs I ever raised. They are 40 to 50 pounds heavier than my hogs used to be at the same age."
BYRON SCOTT, Big Rock, Ill.

OELWEIN CHEMICAL CO., Oelwein, Iowa

The New Farm Plan

(Continued from page 3)

clovers; perennial legumes, including alfalfa, kudzu, sericea and white clover, and annual varieties of lespedeza when seeded in 1936.

3. Summer legumes, including soybeans, velvet beans, field beans, crotalaria, field peas and cowpeas when turned under in 1936 as a green manure crop.

4. Perennial grasses, including blue grass, dallis, timothy, red-top, orchard, Bermuda, carpet, brome, crested and slender wheat grass or grass mixtures, when seeded in 1936, with or immediately following a harvested crop.

5. Small grains, including wheat, oats, barley, rye or small grain mixtures, when grown as a winter cover crop, turned under as green manure in 1936 and followed in the summer of 1936 by an approved soil-conserving crop. Small grain acreage seeded in 1935, turned under in 1936 and followed in the summer of 1936 by a soil-conserving crop, will qualify.

6. Forest trees planted on crop land in 1936.

What Individuals Must Do

What the individual farmer wants to know, of course, is what he may do on his own farm to qualify for a cash grant. What are the maximum and minimum acreage changes with respect to which payments will be made?

In the case of the farms on which the major soil-depleting crops are other than cotton, tobacco, peanuts, sugar beets, sugar cane for sugar, flax and rice, an individual farmer may be made a soil-conserving payment for a shift away from soil-depleting crops up to 15 per cent of the total soil-depleting base.

Supposing you operate a farm of 120 acres, on which you have a regular rotation of 40 acres of corn, 40 acres of oats for grain with clover regularly seeded in and 40 acres of second-year clover. Barring any necessary modifications, your soil-depleting base would be 80 acres. In 1936, you might shift as much as 12 acres of corn land into, say, alfalfa alone, that is, 15 per cent of 80 acres, and receive the soil-conserving payment of $10 per acre, more or less, depending upon the productivity of your soil.

Since alfalfa is classified both as a soil-conserving and soil-building crop, you also would qualify for the soil-building payment of $1 per acre, more or less, with respect to the 12 shifted acres. Still further, you would be entitled to the soil-building payment on your 40 acres of new clover seeded with the oats, since it is new in 1936, and since clover also is classified both as a soil-building and soil-conserving crop. Your grand total cash payment, then, would be $172.

If, in the above case, you also seeded some alfalfa in with the corn, you would not, however, qualify for the $1 an acre payment on it, even tho it is soil-building in character. In order to keep within budget limitations under the program, the soil-building payment with respect to new seedings will be limited to that number of acres which is not greater than the number of acres actually devoted exclusively to soil-conserving and soil-building uses in 1936. In the above case, with 12 acres of new alfalfa lone and 40 acres of second-year clover, the total devoted to soil-conserving and soil-building with the maximum for soil-building uses, obviously, is 52 acres. Thus, the maximum for soil-building payment has been reached when $1 per acre has been paid for the new alfalfa and the 40 acres of new clover seeded in with the oats.

The exact terms of the payments and the conditions necessary for the cash grants will be more fully explained at the educational meetings to be called soon in practically all communities.

Supposing now that in the corn-oats-clover rotation on the farm already cited, you had planted the 12 acres of former corn land to a crop that was classified exclusively as a soil-conserving crop and not as a soil-building crop. In this case, you would receive only the soil-conserving payment of $10 per acre, more or less. But you would still get the soil-building payment of $1 per acre, more or less, for the 40 acres of new clover seeding in the oats, because clover is a soil-building as well as a soil-conserving crop.

Take still another case. Supposing the regular corn-oats-clover rotation was broken up and some soil-depleting crop was substituted for the old clover stand. Then neither the soil-conservation nor the soil-building payment could be made with respect to the 12 acres of new alfalfa, because the total soil-depleting acreage would be larger, not smaller, than before. For the same reason, no payment could be made with respect to the new clover seeded in the oats.

Must Represent Additions

The general rule is that all soil-conserving or soil-building acreages on which payments will be made must represent additions above acreages held over from 1935. Old acreages, however, will qualify for soil-building payments if they are improved in 1936 by some practice such as liming. Approved practices for this purpose have not been fully determined yet, and will be announced later.

Take one more case. Supposing, in the corn-oats-clover rotation this year, you did not cut down your corn acreage, but you did clip green 12 acres of the 40 acres of oats containing the new clover seeding. Would you then qualify for the soil-conserving and soil-building payments? Yes, you would receive $10 per acre, more or less, for the clipped plot, plus $1 per acre, more or less, for both the 12-acre clipped plot and the remaining 28 acres of the standing oats containing clover. The full soil-building payment of $40 could be made, since at the same time a total of 40 acres would be exclusively in soil-

MAKE IT FIT YOUR FARM

Last week, before the soils program was announced, several farmers came to us to say:

"I don't see how I can sign up for the soil conservation plan. It just doesn't fit my case."

Our answer was:

"How do you know? We haven't got the details yet. How can you tell until you attend your township meeting, get the full story and then check it with your particular situation."

If the new plan at first glance doesn't seem to fit your case, don't quit. Keep studying it. Get your township committee's help. Don't cheat yourself out of cash payments.

The final program, as described in this issue, and as it will be described in more detail at the township meetings, does not include every recommendation made by farmers. It couldn't. Farmers in different sections often asked for exactly opposite things.

Each of us, therefore, will fail to find in the plan some provision we particularly wanted. We'll probably find one or two we don't like. But we will also find that the majority of the provisions are what we would like to have.

Ninety-five per cent of the readers of Wallaces' Farmer and Iowa Homestead can use the new program profitably. Don't miss the chance.

OUR PATTERN SERVICE

2652

Style No. 2652 comes designed for sizes 4, 6 and 8 years. Size four requires one and three-fourths yards of thirty-nine inch material with one-fourth yard of thirty-five inch contrasting.

The above design may be ordered thru our Pattern Department for twelve cents in stamps or coin, coin preferred. The Spring and Summer Fashion Book may also be had for twelve cents. Address

PATTERN DEPARTMENT
WALLACES' FARMER AND IOWA HOMESTEAD
DES MOINES, IOWA

Allow Ten Days for Delivery

YOUR HARNESS

WEARS LONGER • COSTS LESS *when it's* THE BOYT HARNESS

"The Standard Work Harness of America"

Don't risk using old worn-out harness another season. And don't waste money on cheap harness, when you can make a double saving by buying new Boyt Harness now. 1. Boyt prices are low (see FREE catalog). 2. Boyt dependability cuts cost of delays and breakdowns, so common with worn-out harness. Today, as for 35 years, Boyt is still making the strongest work harness in America. In cost per year Boyt Harness is most economical because it outwears ordinary harness 2-to-1. Get Boyt's Harness and Collar Book. Sent FREE. Write today to Boyt Harness Co. at Des Moines, Iowa.

YOUR HORSES work as never before with the extra comfort of BOYT AIR-CUSHION COLLAR PATENTED

SAVING MONEY on COLLARS & HARNESS

New cushion principle (not inflated) prevents and cures sore shoulders. Easiest to fit. Keeps cooler and drier. Wears longer—costs less. Don't buy ANY collar 'till you get Boyt's FREE Book. Write today. BOYT HARNESS CO., 245 Court Ave., Des Moines, Ia.

Send for FREE Harness and Collar Book

VITRIFIED TILE CORN CRIBS

Build a permanent, fireproof tile corn and grain crib. Our 28 years building experience will save you money. Completed cost ready to use—no extras. Tested and proved plans will give increased ventilation and vermin proof construction with minimum upkeep.

Write today for a representative to call and give quotations on completed cost. Do it now.

The Gethmann Corn Crib Co.
720 Grand Avenue Des Moines, Iowa

YES, SIR!...It fights *both* surface and *deep* rust

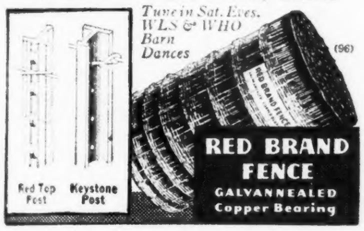
Blazing sun . . . burning wind . . . parched crops. Droughts take a terrible toll. So do fires, storms, diseases. Yet RUST is still more costly. For it is *always* at work.

Red Brand Fence is *doubly* protected from rust. It leads in fighting *surface* rust with a Galvannealed (heat treated) zinc coating MUCH THICKER than on ordinary galvanized fence wire. Leads in fighting *deep* rust, too. Its *real* copper bearing steel lasts at least TWICE as long as steel without copper. Outstanding value!

"Know Your Soil" FREE! New booklet tells how farmers "grow" their own humus and nitrogen, speed up bacterial action in soil, increase yields. Interesting! Authoritative! Illustrated! Write for copy, free; also Red Brand Fence Catalog.

KEYSTONE STEEL & WIRE CO.
3896 Industrial St., Peoria, Illinois

Tune in Sat. Eves. WLS & WHO Barn Dances



building and soil-conserving uses in the form of the second-year clover.

The maximum acreage with respect to which payment will be made in the case of tobacco is 30 per cent of the base acreage for the farm of any kind of tobacco. The rate of soil-conserving payments for the Wisconsin types of tobacco, No. 54 and No. 55, is three cents for each pound of the normal farm acre yield.

For sugar beets and sugar cane, the soil-building payment will be 12½ cents per 100 pounds of sugar produced on the base acreage, provided that half as much land is devoted to soil-building crops as to sugar crops.

In practically all regions, excepting in the southern states, where share cropping is a common practice, the payments will be divided between the landlord and share tenant in the same proportion that they share in the principal soil-depleting crop under the lease or operating agreement. The principal soil-depleting crop is defined as the one with the greatest acreage in the farming unit.

In addition to funds for the soil conservation program, congress has made available, under the various provisions of the agricultural adjustment act and related legislation, funds for the removal of surplus dairy products, for diversion of products from the normal channels of trade, expansion of domestic and export markets, and for payments in connection with that portion of commodities used for domestic consumption. If necessary, these provisions can be used to prevent any damage from uneconomic shifting of particular crops under the new soil conservation program.

Administration of the soil conservation program in the states and counties will be thru state committees, county associations, county and community committees and the extension service. Every farm owner and operator in a county will be eligible to become a member in the county association. Temporary committees have already been set up in several states, because of the need for haste in getting the 1936 program under way, but the permanent county and community committees will be chosen by the farmers themselves.

For purposes of administering the new program, the United States has been divided into five regional divisions, namely, southern, east-central, northeast, north-central and western. The north-central division includes Iowa, Wisconsin, Illinois, Indiana, Michigan, Missouri, Nebraska, South Dakota and Minnesota. Gerald B. Thorne, who has been director of the division of livestock and feed grains in the AAA, will be the regional director of the north-central division. Headquarters of the regional divisions will be maintained in Washington, D. C., and those offices will deal directly with the individual states. Under the new setup, however, much of the administrative work of examining and auditing producers' applications for grants and paying producers will be done in the states instead of in Washington.

DANGER!

Reports of farmers' intentions to plant . . . showed that farmers were planning an increase of 19 per cent in their acreage of spring wheat, 6 per cent in their acreage of corn, 11 per cent in rice, 9 per cent in tobacco and 8 per cent in peanuts. . . . Unofficial reports . . . have indicated an increase of around 15 per cent in cotton acreage. . . .

If farmers for any reason should fail to take advantage of the new act and especially if they should carry out their intentions as indicated in the department of agriculture reports, the consequent excessive production of such cash crops as cotton and wheat and tobacco might result once more in the wrecking of their prices and the mining of their soil.

—Franklin D. Roosevelt.

FREE ELECTRICITY from the WIND

Perpetual power and light for your whole farm with our new mogul wind-power light plant—operates as many as 60 different electric appliances for you. Costs less than a tractor and serves you a lifetime. No upkeep. Guaranteed by largest company of its kind in the world. Get Free light and power on YOUR farm. Free illustrated literature. Write today. **Wind-Power Light Co., 200 Shops Bldg., Des Moines, Ia.**

WIND-POWER LIGHT CO.

GET HIGHER YIELDS at lower treating cost with NEW IMPROVED CERESAN

4¢ AN ACRE ON BARLEY

5¢ AN ACRE ON OATS

You profit three ways when you treat seed with *New Improved* CERESAN. As a rule you increase your yields. Reduce loss from loose and covered smuts of oats; covered smut, black loose smut and stripe of barley; and seedling blight of both grains. And you save money in treating cost!

This dust costs less to use than any other—4¢ an acre on barley and 5¢ on oats, at average seeding rates. The U.S. Dept. of Agriculture approves it. Very little flying dust in treating; hardly any labor if you use a gravity treater; no drill damage. In actual tests, *New Improved* CERESAN has given an 18% average yield increase on oats and a 6% increase on barley!

Write for Cereal Pamphlet and blueprints—how to make a gravity treater from an old oil drum. *Free.* Send a card to the Bayer-Semesan Company, Inc., Wilmington, Delaware.

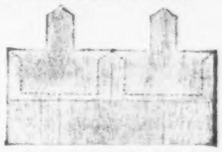
TREAT SEED EVERY YEAR —IT PAYS

Complete Protection, that's what, Mrs. Hen!

MRS. HEN gives her chicks the best protection she can, but it's a poor substitute for a really good roof.

Having a cheap roof or putting up with a leaky one is just as foolish as getting yourself all dressed up in your best clothes and going out into a rain-storm with an old, leaky umbrella. It's poor economy to expose 95% of your property to the danger of being spoiled when the best roofing you can buy costs so little.

You can't buy any better roofing than Mule-Hide—and you can't afford to buy a cheaper one. Mule-Hide has been famous for more than 30 years as the toughest, strongest, longest-wearing roofing that scientific knowledge and honest manufacturing could produce. It's handsome, too. It will give you and your property complete protection for years and years. And be a pleasure to your eye, as well. Right now you should think of your neglected roof—but once you've roofed with Mule-Hide—then you can forget it again for a generation or so.



Exclusive with TOP NOTCH Siding is the water proofing strip that goes UNDER every joint.

It is amazing the wonderful improvements and the actual increase in value to be gained easily and quickly by applying Mule-Hide TOP NOTCH Asbestos Siding to an old style house. Will never rot, rust or deteriorate. Never need painting — Fireproof and weather proof. If you spend any money at all, do the job right. TOP NOTCH Asbestos Siding is a permanent improvement.

Put Up This Mule-Hide Wren House

Make friends with the wrens. This clever new kind of wren house is made of vermin proof Mule-Hide Roofing. The birds love it. A fine 50c value—yours for 10c at any Mule-Hide Dealer—or send 25c and we will ship from Chicago, postage prepaid.

BUY MULE-HIDE AT THE LUMBER DEALER WITH THIS SIGN

MULE-HIDE ROOFS "NOT A KICK IN A MILLION FEET"

THE LEHON COMPANY, Dept. M, CHICAGO. ILLINOIS

MULE-HIDE ROOFING AND SIDING

COLUMBIAN Red Top GRAIN BINS

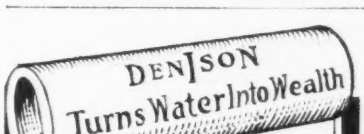
You Pay for Them Once—They Pay for Themselves Over and Over Again

FREE CATALOG

Write for new 1936 Farm Equipment Catalog showing other Columbian products for modernizing your farm at low cost. (F-G-3)

When you need ***rat-proof, weather-tight, fire-safe*** storage for grain, feed, harness, etc., remember that the Columbian Bin has proved the best on the market. See them at your dealers.

COLUMBIAN STEEL TANK CO. 1513 West 12th St. KANSAS CITY, MO.



CHECK SOIL EROSION WITH TILING

Properly tiled fields can also be planted or seeded earlier, thus giving you a longer growing season and hardier plants. [illegible]

[illegible]

MASON CITY BRICK & TILE CO.
116 Denison Bldg., Mason City, Ia.

BUY and SELL

Livestock
Farm Machinery
Farm Land
Poultry and
Many Other Items
through
OUR
READERS MARKET
in
Wallaces' Farmer and Iowa Homestead

Fixing up the House

WHAT would you do if you had $200 to spend on your house this spring? This was the question we asked our readers several weeks ago. Hundreds of farm women seized pen and paper and poured out plans they had held in their hearts thru the hard years, but that now—in many cases—seem near accomplishment.

If all these plans were carried out, what a lot of farm houses would have running water, electricity, new porches, fences to keep the chickens out of the flowers, new shingles, and new coats of paint! And what farm women would do on the inside of the houses with thousands of gallons of paint, with miles of wallpaper, acres of linoleum, crisp new curtains, comfortable mattresses, radios, power washers, ranges and hundreds of other items

Will Be Lots of Fixing Up

The best thing about the contest is that some of these plans are to be carried out this spring. Not all are going to have as much as $200 to spend, but there is going to be a lot of fixing up.

First prize of ten dollars went to the letter sent in by Mrs. Dorothy Dykes, Clark county, Missouri. She writes:

"On our farm, we date about 1860 in the matter of conveniences, or rather, lack of them. Beginning with the kitchen, I could install a sink with a pump and pipes leading to the cistern, so I could pump water directly into the house; cost, about $10. The sum of $30 would go to smooth down the old, rough boards and lay a good quality of linoleum over them, in the kitchen and two pantries.

"Sixty dollars would convert an old-fashioned, one-sided porch into a bathroom with a small stationary tub and wash-bowl equipped with drains, into which we could carry water from the kitchen stove reservoir. Such an improvement would move the wash basins out of my busy kitchen and give our toilet making privacy. Five dollars would go into cement to chink up holes in the foundation that let in air under the house so the rugs stand up on windy days.

"The Crowning Glory"

"The crowning glory, or perhaps the fronting glory, would be accomplished by the remaining $60, which would start a fund to buy materials to convert a shabby, narrow, sagging front porch into a two-story colonial veranda. We would furnish the labor ourselves. This would give the house a much needed balance, would remedy an unfixable old gable leak and altogether perk us up."

Mrs. Loyd Braby, of Humboldt county, Iowa, who is the winner of the second prize, has divided her $200 into four titles. Hasn't she spent them well!

"Our home is a six-room cottage badly in need of repairs. First of all, I would put composition shingles of a dull green all over the roof. I would be willing to allow fifty of those precious dollars for that. Then, with another $50, I'd rebuild the front porch and enclose it, putting in windows and screening them. The third $50 would repair the cellar walls and patch the cracks in the foundation wall.

"With the last $50, I'd have the most fun of all. I'd buy paint and paper for every room in the house, and put it on myself. Fifteen dollars would buy good paint and not too expensive wallpaper. With the rest I'd get paint for the outside of the house, getting some one to paint the high places and doing the rest myself."

Mrs. W. H. Brandenburgh, of Guthrie county, Iowa, is going to have a lovely home when she gets her $200.

"How I would rejoice next washday if I could have a brand-new power washer to replace my board and tubs—and my back! My kitchen would be so much brighter with a bright new linoleum rug on the floor. Gay, pretty, crisp looking curtains do so much toward making a home inviting, so every one of my twelve windows would be treated to new curtains. Then I would have all the rooms papered with bright, clean wallpaper, besides having the woodwork repainted and the floors refinished.

A Place for the Children

"My youngsters are just at the age to demand a room of their own. So I would get a bedroom suite of the twin bed type, with a chest and a dresser, so that, later on, when the children require separate rooms, brother may have his bed and chest and sister her bed and dresser.

"In my living room I would have another easy chair, so each member of the family could rest comfortably during the evening while enjoying the radio, which would be the last item on my list."

Miss Alice Poduska, of Tama county, Iowa, who is keeping house for her father and two brothers, has been talking to her local dealers, and has decided she wants the following:

"An oil burning refrigerator (cold milk to drink, ice cubes, crisp vegetables, salads, etc.), $65.

"Washing machine with gas engine, $80.

"Adjustable ironing board (I stoop to the old one), $2.

"Gasoline iron (no more nightmares over shirts and white trousers for concert playing brothers), $2.

"Wallpaper for living-room and one bedroom (we do the work ourselves), $7.

"Slip-covers for davenport and chairs (washable), $7.

"Curtains, net, damask and thread for living-room, $5.20.

"Enamel for the kitchen and bathroom woodwork, $3.

"Linoleum rug for kitchen, $15.

"Floor wax for bedrooms and dining-room and varnish for linoleum rug in dining-room, $4.

"One of those round mirrors and some nice small pictures for the dining-room and living-room, $5.80."

Mrs. E. D. Stewart, of Lancaster county, Nebraska, would spend her money in an entirely different way, but what a fine way it is! She writes as follows:

"If I had $200 to spend on my home I would buy, first of all, a dining-room table big enough for all seven of us to get comfortably around without extra leaves, and a lamp with the best light I could find. Then I would buy a large sectional bookcase and all the books I have long wanted my children to read—and to own; all those lovely old books which I used to love so much. And I would buy some for myself which I should like so much to own and to read again and again. I would subscribe to at least six good magazines and papers and pay for them for years in advance—some for me and some specially for the children.

Let Long Evenings Come!

"I think I would still have enough to buy a radio, and then—let the long, chill in winter evenings come! We can read and talk and laugh and listen."

Mrs. Joseph Weidman, of Atchison county, Missouri, feels she would invest in movable things, inasmuch as she is on a rented farm. This is how she would spend her money:

"We would buy articles of furniture we can take with us when we leave our present home. The kitchen comes first; it is small; we need to conserve space and do away with old furniture which has been in use for many years. An enameled range, smaller than the old one, a large cabinet, a tall utility cupboard, and a new linoleum rug.

"The dining-table has a weak leg, and we need a new style table in oak bought to match the chairs, which will serve us for several more years.

"The bedroom needs a place for hanging clothes. A chifforobe would fill that need, and a Jenny Lind bed to replace the wooden one we have used for thirty-four years. And all these furnishings for twenty cents less than the stipulated amount."

Mrs. Tony Jones, of Henry county, Iowa, is one of the many farmers' wives who feel that the whole family would enjoy a bathroom more than anything else the $200 could buy. She says:

"There are five in our family, and I could get a bathroom installed for $200. This is the way I would place it: For sewage disposal, $15.95; for automatic water heater and water tank, $29.95; for fixtures, tub, lavatory and toilet, $98.56; for electric pump and storage tank, $52.95; total, $197.41.

"This is a close margin, but I have investigated and know it can be done for close to this amount."

Mrs. Fred Molthan, of Thayer county, Nebraska, is going to have the back porch that so many farm women want. And this is how she has planned it:

Has It All Figured Out

"We have had five different lumber dealers figure on lumber for a porch, and we find if we can do our own carpenter work we can build an enclosed porch, 8x24 feet, with shingled roof, six windows and a door on the west and a window on the south end, and a good floor, for $97. . . .

"Our house has extended gables over the upstairs windows on the south and east windows, to make room for full length windows, but the west and north sides allow only half windows. These rooms are too hot to sleep in in summer, and would add full windows there and feel that my money was well spent.

There are hundreds of other good letters which we would like to publish. In later issues, we'll try to quote from at least a few of the other clever plans sent in. All the letters were fascinating to read—like taking part in an exciting conversation with hundreds of farm women.

Fix Up Mother and Dad, Too!

We want to extend our good wishes to the many women who have been carrying water for years, and who now think that a water system or at least a sink and a drain, in the kitchen is a possibility. We like the letter from the woman who said wistfully that she'd like just a permanent wave, to see how she looked fixed up, and the several letters that insisted on including a new suit of clothes for dad in the list of things the house needed.

They were all fine letters, and if we owned the goose that lays the golden eggs, or Aladdin's lamp or some other magic gadget, we'd use our magic first to see that every farm wife got her $200 to spend at once. But, happily, a good many women are making their own plans this spring, and will get some of those improvements in. We'll hear from them after the work is finished and learn just how they worked out and how they liked new kitchen equipment or a porch.

Pictorial SECTION

MARCH
28
1936

← This serious business of spring work might catch a farmer unawares so he'd best get his equipment repaired, reason these two earnest, young ruralists, toiling assiduously on their all-purpose wagon. You hafta' be ready for an emergency, come what may, so you gotta' work early and late.

← A large part of the U. S. farmers' increased soy bean acreage (from 50,000 to 5,000,000 in 1935) enters the industrial field. Powdered soy bean fibres are fed into a hopper and pressed to the approximate shape of the finished part.

You scoop the "bean soup" in here, it goes 'round and 'round and comes out here—as radiator caps, knobs, and buttons. ↓

↑ It takes a rising, young farmer to prove he's up to a job like this. Rural inqenuity was shown in Kent, England, when this man's hops grew so tall he was forced to contrive stilts for the harvesting. It's tough work but fun for the youngsters.

HURRY UP SPRING!

Lovely Styles Fairly Tease for Warmer Weather

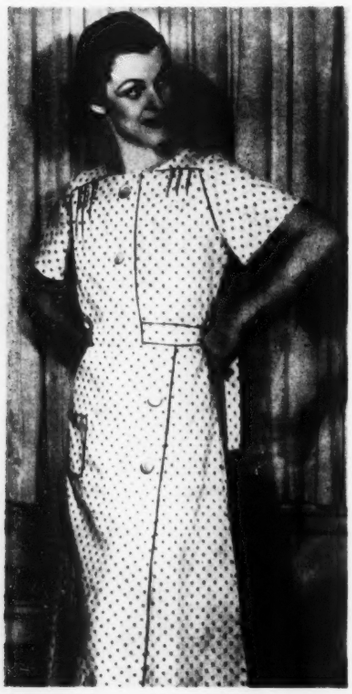
"One, two, buckle my shoe." Junior misses won't "miss" when wearing this jaunty cap 'n' sweater set. Bright yarn fashions the plain and lacy stitches of No. R5512. Puffed sleeves give freedom to active arms and the close-fitting neckline offers protection from chill breezes. Complete directions for making in sizes 4, 6 and 8. Price 10c.

You'll "go to town" in this soft-line frock. Its graceful sleeves are one with the flattering yoke. Fashioned on straight lines, the skirt drapes in a manner most flattering to the figure. Buttons two by two add an interesting color note. No. R2595. Sizes 14 to 20 and 32 to 42. Price 15c.

"Tops" for your spring suit are a most important fashion note. When spring coaxes off coats, be ready with a lacy crocheted blouse of—yes, string! The simple, easy stitch of No. R1144 makes collars and cuffs resemble accordion pleats. And a narrow belt to match hugs the waistline. Complete directions for making in sizes 16 to 18 and 38 to 44. Price 10c.

Homemaking takes on added interest when you wear No. R9754. Buttons and piping combine to make this jiffy wrap-around colorful and smart. In white, it makes a trim uniform for professional duties. Sizes 14 to 20 and 32 to 48. Price 15c.

"Tea for two"—or three or more—becomes a queenly gesture when No. R5160 is part of the service. String crochet in simple squares joined together add this luxury-touch to tea or dinner table, vanity or buffet scarf. Adaptable for many uses, these attractive squares will dress up your home now and become tomorrow's "heirloom." Color contrast or harmony is easily achieved in the design or when joining edges. Directions included for making and joining 7½-inch squares. Price 10c.



What's so nice as a print for spring? Adapted from the popular shirtwaist style with accents on femininity, quaint shirring molds short puffed sleeves and youthful neckline of No. R9760. A slim, straight skirt conceals an inverted "kick" pleat for added width. Sizes 12 to 20 and 30 to 40. Price 15c.

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No. ....., Size .....

No. ....., Size .....

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SAY "I want genuine Jell-O" REG. U. S. PAT. OFF.

..AND GET THE REAL THING!

WANT a taste-delight you haven't known since you said goodbye to fresh strawberries last summer? Take a spoonful of this extra-rich new Jell-O . . . let it melt on your tongue. Why, there's the very *soul* of strawberries—juicy, fragrant, keen!

No gelatin dessert you've ever tasted before gave you more than a hint of this new *deep* flavor! Because no other gelatin dessert has the benefit of Jell-O's new secret process—a process which blends extra-rich fruit flavor right into the tiny crystals.

And none of Jell-O's fruity goodness floats off on steam! Jell-O dissolves quickly, completely, in water only a little hotter than lukewarm.

Every box of genuine Jell-O holds more of what you want—extra-rich fruit flavor. So get the real thing . . . genuine Jell-O! Try all six delicious Jell-O flavors.

GRAND GARNISH IDEAS!

The extra-rich fruit flavor of Jell-O inspires happy flavor blends—just as if you were using the actual fruit.

In the color photograph above, halved orange slices and grapefruit sections are whirled pinwheel fashion around a mold of Strawberry Jell-O.

Pineapple and tart apples accent the flavor of Strawberry Jell-O, too. And how about whipped cream—sprinkled with tiny cubes of the Jell-O!

* * * *

Six extra-rich flavors: Strawberry, Raspberry, Cherry, Lemon, Lime, Orange. Jell-O is a product of General Foods. FREE . . . Recipe Book. Write to Jell-O, Dept. MF-36, General Foods, Battle Creek, Mich.

Tune in every Sunday night!

JACK BENNY—On the air for Jell-O, with Mary Livingstone, Kenny Baker, and Johnny Green's orchestra. 6 o'clock Central Time, 9:30 Mountain, NBC network.

1. LOOKS GOOD . . . BUT IS IT JELL-O?

2. YOU BET IT IS! I KNOW THAT EXTRA-RICH FLAVOR!

3. TAKE MY ADVICE . . . INSIST ON GENUINE JELL-O!

"Even the children say my Calumet cake is better!"

says Mrs. Jack Caskey, 880 Avalon Ave., Memphis, Tenn.

"Everybody notices the extra-fine, velvety texture that Calumet gives," Mrs. Caskey says. "And it's always dependable—I never have baking troubles like other women I know. Calumet's so low-priced now and so thrifty to use! It's silly to pay more for baking powder—and I, for one, won't take a chance on cheaper ones!"

Calumet Nut Crumb Coffee Cake

2 cups sifted Swans Down Cake Flour
2 teaspoons Calumet Baking Powder
½ teaspoon salt
3 tablespoons butter or other shortening
1 cup sugar
1 cup milk
½ teaspoon vanilla

2 tablespoons sugar
¼ teaspoon cinnamon
¼ cup soft bread crumbs
2 tablespoons melted butter
2 tablespoons chopped walnut meats

Sift flour once, measure, add baking powder and salt, and sift again. Cream butter, add sugar gradually, and cream together well. Add flour, alternately with milk, beating after each addition until smooth. Add vanilla. Turn into greased pan, 9 x 9 x 2 inches. Combine sugar and cinnamon, mix with crumbs, and add melted butter and nuts; sprinkle over cake. Bake in moderate oven (350° F.) 45 minutes.

(*All measurements are level.*)

What makes Calumet so dependable? Why is such a small amount needed—just a level teaspoon to a cup of sifted flour in most recipes? Why is Calumet different from other baking powders?

It's because Calumet combines two distinct leavening actions. A quick action for the mixing bowl—set free by liquid. A slower action for the oven—set free by heat.

Calumet's Double-Action is so perfectly ***balanced*** and ***controlled*** that it produces perfect leavening... every time! Calumet Baking Powder is a product of General Foods.

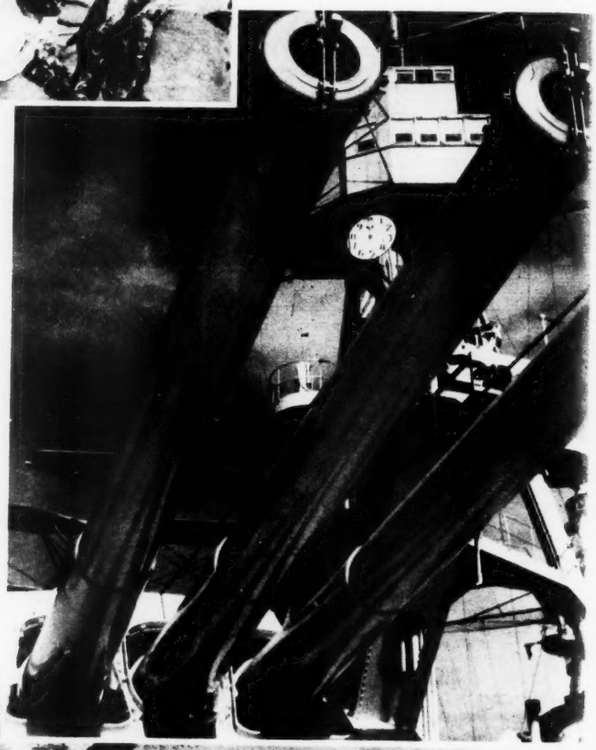
LOOK AT THE NEW CALUMET CAN! *A simple twist...and the Easy-Opening Top lifts off. No delay, no spilling, no broken fingernails! And inside, there's a convenient spoon-leveller!*

All Calumet prices *are lower!*

Calumet is now selling at the lowest prices ever. The regular price of the Full-Pound Can is now only 25c! And see the new, big 10c can—a lot of good baking for a dime—with Calumet, the Double-Acting Baking Powder.

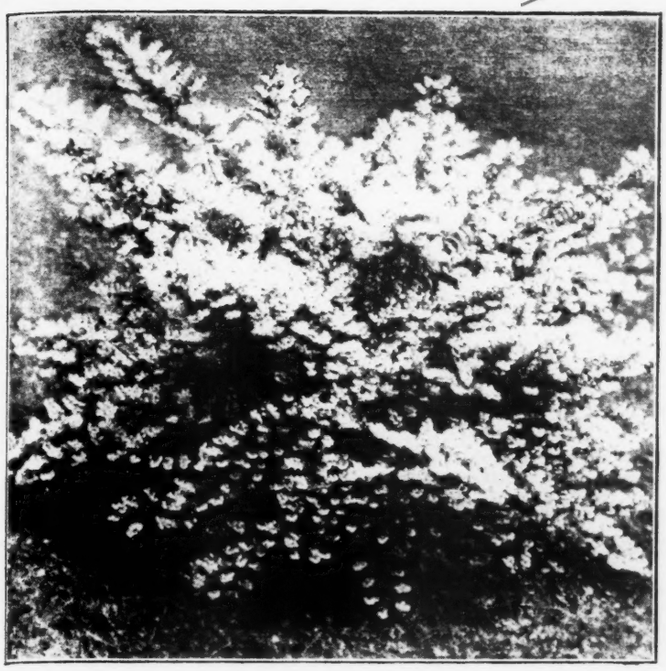
← While brash, young stars of the diamond were in sunny climes for spring training, Walter Johnson, famous speedball pitcher, tended two-day-old lambkins on his snowbound farm in Maryland. Johnson who started his career in 1907, was named recently, along with Ty Cobb, Hans Wagner, Babe Ruth and Christy Mathewson, to have his name inscribed in the Cooperstown (N. Y.) hall of fame.

Although European powers are at sabre points, we can feel "at ease" with the knowledge that these "toy guns" with their 14-inch bore, will speak for us in case of necessity. On a forward turret of the U. S. S. Pennsylvania, flagship of the U. S. fleet, their gleaming strength gives an ominous sense of power. →



↑ It's an actual bridge break-up scene near Valley, Nebraska, when three sections of a highway bridge are shown just starting down the Platte river pushed by great cakes of ice. At the right is a cloud of gas loosed when the pipeline was broken.

For best screen performances of 1935, Victor McLaglen ("The Informer") and Bette Davis ("Dangerous") receive gold statuettes from David Wark Griffith, veteran cinema figure, at annual dinner of the Academy of Motion Picture Arts and Sciences. →



Flowers Without Working

HYBRIDS, tea roses, perennial borders, bulbs, annuals—I read the glowing catalog descriptions of lovely color combinations, recall my friends' last year's perennial, bulb and annual borders, and, remembering the hours required of them in the gardens to make these gardens successful, I turn to the flowering shrub list to begin my plans for the spring.

For I am a lazy gardener, and, as you haven't the time—or is it enthusiasm?—required to keep my garden clothed in glowing colors from early spring to late fall by dint of hoe and hoe. And, after all, one must start a garden with some sort of background, usually a shrubbery border, so why not plan one that flowers from early spring to late fall, offering lovely garden pictures thruout the summer as well as an abundance of bloom for cutting.

An Outdoor Living-Room

A wise choice of shrubs will give a border or group planting requiring very little attention the first season even than the annual pruning you may wish to give it. I'm planning my first shrubbery border to enclose a small out-of-door living-room that can be seen from my living-room windows, that "hooks on" to the rear of the house and is accessible to the kitchen, so that I can serve occasional suppers there, and that will have partial shade in the afternoon—since that is when I'll want to enjoy it most.

For years I've watched other garden lovers combine shrubs and flowers until I've formed some rather definite ideas to try out in a garden of my own.

Because I'd like this particular garden to be somewhat secluded, I'm using as a hedge high bush cranberry and tartarica bush honeysuckles in pink and white. There is a nice contrast in foliage between these two shrubs. The high bush cranberry offers lovely blossoms, beautiful foliage and a wealth of red fall berries. The honeysuckle is also a three-in-one shrub, being an intense bloomer with masses of fragrant color during May and June, offering a lovely background with its leathery, glossy green leaves and holding its bright berries long after the foliage is gone. The shrubs can be sheared to any desired height, tho, if left alone, they will grow as high as six or eight feet. They do well in shade or sun, they are the ideal shrub for the lazy man's garden.

There are so many May and June blossoms that offer lovely color combinations. Deutzia in dwarfed and bush forms are lovely pink and white fillers. You'll never regret having a Pride of Rochester in one corner of the garden as a specimen. In the shrub border it offers a high point during May. It grow from four to six feet high, and prospers in partial shade.

The two weigelia shrubs, Eva Rathke, a lovely crimson-red May and June bloomer, and the more delicately shaded rose-pink weigelia, Rosea, which also blooms in May and June, offer lovely color accents against the wealth of spring white masses offered by the usual spring shrubs.

Common tho it is, there is no lovelier blossom or more graceful shrub than the ever hardy Spirea Van Houttei, which prospers equally well in hedge or as a single specimen. I'm going to have a clump of Spirea Thunbergi also, because it offers blossoms earlier than the Spirea Van Houttei, during April and May, and is a lower growing shrub. It will serve to pull my fall growing border down to the ground.

First Harbinger of Spring

One of the first harbingers of spring is the golden bell forsythia which offers a glorious golden ball of spring beauty with the very first breath of spring. By forcing a few branches in the house, one can bring a bit of spring indoors even before it has begun out-of-doors. Forsythia is very thrifty, growing in sun or partial shade and reaching at maturity a height of six to eight feet. Its golden twigs offer twig interest all winter, and its early blossoms, appearing on the feathery branches even before it leaves out, make it one of the most desired shrubs in the border.

Speaking of early spring blossoms, I'm saving a damp corner in the garden for some spring pussy-willows. They are as much a part of spring to me as Christmas trees are to Christmas.

The dwarf growing Spirea Anthony Waterer gives crimson blossoms during mid-summer when there comes a lull in the blossoming shrub border. I'm going to use some of the late summer blooming Spirea Billardi Rosea, a four to five-foot shrub that sends out lovely, red, plume-like blossoms, making a perfect filler for white rose combinations.

Hydrangea, althea and Rose of Sharon offer blossoms during August and September, but I'm inclined to think I'll get my flowers for cutting for late summer and early fall from an annual-perennial combination

(Continued on page 18)

You know that children should never drink coffee. But do you realize that the caffein in coffee disagrees with many grown-ups, too?

If you are bothered by headaches or indigestion, or find it difficult to sleep soundly . . . caffein may be to blame.

Why not try Postum for 30 days? Postum contains no caffein. It is simply whole wheat and bran, roasted and slightly sweetened. It is easy to make, and costs less than one-half cent a cup . . . delicious, too . . . and may prove a real help. A General Foods product.

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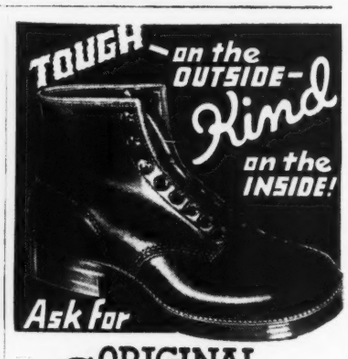

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IT'S quality built, this ORIGINAL CHIPPEWA Farm Shoe; of tough, wear-resisting selected cowhide. Double-tanned to repel water and resist barnyard acids, but porous so that the foot can breathe. ORIGINAL CHIPPEWAS are kind to the feet—"slipper-comfort" work shoes that take abuse but ensure healthy feet.

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GEORGE OLSEN—ETHEL SHUTTA AND THE ICE SKATING SHOW

SAVE $45 ON HEATING COSTS THE FIRST YEAR

Enthusiastic over the fuel-saving features of the new Colonial Furnace, H. Shulman, Iowa City, Iowa, says: "Our Colonial is a real coal saver. During the very first year we had it, we heated our home comfortably on four and a half tons less than ever before—which meant a saving in heating costs of about $45."

When you get savings like that, you can readily see that a Green Colonial Furnace will actually pay for itself in a very short time. And as for comfort and convenience — the smoke-tight, soot-tight construction of this modern heating system assures a constant flow of clean, healthful, warm air to every room in your home.

It will pay you to get all the facts about the new Colonial. Without obligation, send at once for a FREE copy of our booklet, "The New Colonial Furnace." Write to Green Foundry & Furnace Works, 328 Third St., Des Moines, Iowa.

COOKERY CORNER

Clover-Leaf Biscuits

2 cups of flour
2 teaspoons of combination baking powder
½ teaspoon of salt
⅓ cup of fat
⅔ cup of milk
1 egg

Sift flour, baking powder and salt. Cut in the fat until the mixture looks like cornmeal. Beat the egg light, add milk, and add to the fat-flour mixture. Stir until blended. Turn out on a lightly floured board, and if you wish biscuits high, light and crisp, knead lightly and quickly for about twenty seconds. Pinch off small balls of the dough, put three in each muffin tin, brush with melted butter and bake in a hot oven (425 degrees) for from fifteen to twenty minutes. Always preheat muffin tins and grease well. This recipe will make from twelve to fourteen biscuits.—Mrs. Eloise Lucas, Holt County, Nebraska.

Rhubarb Relish

2 pounds of rhubarb
¼ pound of seeded and chopped raisins
½ pound of stoned and chopped dates
3 cups of vinegar
2 pounds of light brown sugar
1 tablespoon of salt
1 teaspoon of ginger
½ cup of chopped walnut meats

Combine raisins and dates and let stand in vinegar for one hour. Wash rhubarb and cut into one-half-inch pieces. Add to first mixture with all the remaining ingredients except the nutmeats. Cook slowly for two hours. Stir to keep from scorching. Add nutmeats and cook ten minutes longer. Turn into sterilized jelly glasses and cover with paraffin.—Mrs. Cleve Butler, Audrain County, Missouri.

Caramelized Apple Sauce

6 large, tart apples
1 cup of brown sugar
1 tablespoon of butter
1 tablespoon of flour
1 teaspoon of lemon extract
¼ teaspoon of nutmeg
2 cups of water

Pare and core the apples. Cut in quarters. Line a buttered baking dish with the apples. Mix the sugar, butter, flour, extract and nutmeg with the water and pour over the apples. Bake in a moderate oven until tender.—Mrs. Howard Lacey, Morgan County, Illinois.

Ham Loaf

2 pounds of ground, cured ham
1 pound of fresh pork
2 eggs, well beaten
1 cup of bread crumbs
1 cup of milk

Mix all ingredients together thoroly and form into a loaf. Over this pour one cup of tomato juice, which gives the loaf a tasty appearance of red. Bake in an oiled pan for about one and one-half hours, in a medium oven.—Selma Wiese, Scott County, Iowa.

Macaroni Croquettes

2 cups of cooked macaroni
⅓ cup of evaporated milk
¼ cup of grated cheese
2 cups of boiled ham
1 tablespoon of flour
½ teaspoon of salt

Chop the macaroni and ham; add a white sauce made of the cheese, flour, salt and milk. Mix thoroly. Form into croquettes; chill. Roll in cracker crumbs, dip in beaten egg and roll in cracker crumbs again. Fry in deep, hot fat.—Georgia A. Romig, Antelope County, Nebraska.

Bread Crumb Pancakes

To one cup of bread crumbs soaked in one pint of buttermilk for thirty minutes add one teaspoon of baking soda, one-half cup of flour, one tablespoon of butter, two well beaten eggs, one scant teaspoon of baking powder and a little salt.—F. Harris, Polk County, Iowa.

Scalloped Cabbage With Cheese

1 small head of cabbage
2 cups of grated cheese
1½ cups of medium white sauce
½ to ¾ cup of bread crumbs

Cook the cabbage as directed for boiled cabbage. Into a greased baking dish put a layer of cabbage, then a layer of cheese, then a layer of white sauce, and continue to add layers until the ingredients are all used. Cover the top of the mixture with the crumbs, which may be mixed with a little melted butter, and bake in a moderate oven for about twenty minutes.—L. C., Antelope County, Nebraska.

Pork-U-Pine Meat Balls

1½ pounds of lean pork shoulder, ground
1 small onion, chopped finely
1 cup of raw rice
1 egg
Salt and pepper to taste
¼ teaspoon of ground cumin seed

Mix all ingredients into twelve balls. Place in Dutch oven or large casserole and cover with one can of tomato soup and two cans of water mixed together. In this add one-half teaspoon of baking soda. Bake in a slow oven for one and one-half hours.—Mrs. Charlotte Carter, Polk County, Iowa.

Flowers Without Working

(Continued from page 17)

tion I'll never be without, namely, asters, zinnias and chrysanthemums. They all three offer the ideal combination for a lazy man's garden, plenty of choice bloom for very little effort.

I started to tell you of the shrubs I'm planning for my own garden this spring—shrubs that are common and hardy, requiring little care, the lovely and inexpensive. The background could easily be filled in with wood shrubs—wild crab, wild cherry, sumac and wild gooseberry shrubs and grape and honeysuckle vines. The roadsides offer a wealth of shrub, blossom and foliage combinations—altho not of the refinement of blossom and plant that comes with good nursery stock.

I do want to add a list of the more unusual shrubs that run into money—and beauty. Some day, I hope to add to my shrubbery garden a Bechtel's double flowering crab, a small tree, in reality, that once seen in its full spring glory will never be forgotten. Japanese witch-hazel is a yellow winter flowering shrub that amazes one in February by blossoming in an otherwise dormant garden world.

Both Flowers and Fruit

There's a Japanese flowering cherry that not only is a beautiful lawn shrub, but also produces edible fruit. This also is true of the weeping juneberry, a lawn specimen of large shrub or small tree. Persian lilacs are shrubs to dream about and plan for. They add delicacy and perfume to the garden.

I've seen just one tree—wisteria, a blooming mass of glory that is developed from the wisteria vine by careful pruning. I am planting a wisteria vine over the porch doorway. It's the newer vine, grafted off from a blooming wisteria, and guaranteed to bloom. Some day, I hope to have one lovely wisteria tree in one corner of the lawn.

I've planned and replanned my shrubbery border. I want a small arched gateway at the housecorner of the shrubbed-in garden. I want only smooth lawn with table and chairs within my border—a quiet retreat of beauty and fragrance. And perhaps later, I spend a season of so with my blossoms, I'll acquire the ambition to develop a perennial bed.

This garden enthusiasm is like a fever, so they say, and if so, perhaps there is no place in the garden world for a lazy man's garden.

COUNTRY AIR

By A FARM WOMAN

COUNTRY AIR mail is still crackling with letters about what one woman terms "rubbering and other moron activities." As an honorable diversion, idle listening at the telephone seems to rank rather low. A woman from Illinois writes: "I prefer to spend my time reading. The information I gain in that pastime is more valuable than learning the trivial details of my neighbors' lives." A reader in Manchester says: "Country line eavesdroppers are like the poor—they are always with us." Oh, well, let's talk about the movies.

Or have you been "out" to see any? The few I have seen this winter tabbed up pretty well, because they included "Rose Marie" and "Follow the Fleet." Nelson Eddy does an even better job of acting in "Rose Marie" than he did in "Naughty Marietta." And how that chap can sing! He gives a nice bit of facial expression, too, when torn between his duty as a Canadian Mounty and his love for Jeanette McDonald. Miss McDonald is more adapted to the operatic roles and costumes, at the beginning and end of the movie, than in the great north woods where men are mounties and opera singers aren't much good in dance halls. But she does a good job of both.

Our reader in Manchester also makes some observations that will interest modern women who wonder why marriage causes the world to consider women incapable of achievement beyond the four walls of a home. "I am much upset," she says, "over Josephine Arnquist Bakke's enforced resignation. These rules must be no doubt, but what serious mistakes they can make. I feel much the same way concerning married women as teachers in our schools. Our three babies should convince anyone that I'm not after a job, but what an improved home economics teacher I would be if I could go back to my classes with the wealth of feeling I've gathered since I left them! How often I've wanted to go back to the home management department at Iowa State College and give them the idea of equipping their home management houses with experienced homemakers that have been to the school of motherhood—the wise souls radiating neighborliness and a full life! Such women could be invaluable to prepare senior girls for the great adjustment between college exactness and the world as they'll find it."

After all, a college atmosphere, no matter how lovely, is but a brief artificial phase of life that hangs suspended between the protection of home on one end and the responsibility of home on the other. How to strike a happy balance between things as they should be and things as they are is a rigid test of an education. If we accept the truly educated as those who know how to survive in any situation, we have something of a standard by which to judge the value of the four years spent acquiring a degree.

In some European countries, dictatorship has put women back into the kitchen and recreated a man's world. There might be sense to that if all men were born with big minds and no women had creative ability. That's why I'm not yet troubled over a possible dictatorship for the United States. So far, most tradition upsetting ideas have been in the interests of more freedom, more opportunities for all groups and both sexes. Yet all women have not used this twentieth century freedom of thought and activity. Some have been mentally lazy. Others have abused it. Others still seek to gain their ends by feminine wiles. But thousands of others have taken over fine, big, responsible jobs and done them well. They have met the world on good terms and given of "that good thing that was committed unto them."

Women have gone a long way in their struggle for equal, or, rather, just rights. Naturally, women and men do not desire, nor are they physically equipped for exactly the same rights. We've gone a long way from the Indian woman who was her husband's servant. Our lives are a far cry from the wives of "Old Jules"—of the recent Nebraska pioneer novel by that name. His type regarded his women as so much breeding stock, and struck them across the mouth if they displeased them. If you listened to Ruth Galvin read Rose Wilder's "Old Home Town" (WOI, 9 a. m. daily), you realize what a freedom we've gained in thinking and dressing since the times when women averted their eyes as they passed a barber shop, wore innumerable petticoats, cleaned straw padded carpets and spent their days hemmed in with possible improprieties. To be sure, there are ways of demanding subservience other than a blow across the mouth. It is well to be vigilant of the wonderful twentieth century opportunities afforded us. Too bad to let them slip. Too bad not to further them along. We can all bear further civilizing. After all, the modern woman's struggle is not against the opposite sex, but to have the opportunity to make use of her good gifts in the world of beauty, science, home, public affairs and human welfare.

I am glad that this month is nearly over. It always requires such a lot of faith in order for me to live thru March.

Saving Work

IN looking thru an old cook-book the other day, I found the bread recipe that was used by my mother. Mother turned out excellent bread. But what a lot of work her recipe called for! Here it is in part:

"Chop a tablespoon of cottolene into a quart of flour, add a tablespoon of sugar and half a cake of yeast dissolved in warm water. Beat together hard for ten minutes.

"In the morning . . . after ten or fifteen minutes' hard work turning the ball of dough around and around as you work, it should be so elastic as to spring back into shape when you hit it with your fist."

And then, later: "When it is double the original size, return to the board again and knead vigorously for ten minutes."

Let's see, that made thirty-five minutes of "hard work" for my busy mother, and she baked three times a week!

I wish she could have known that she could simply have folded the flour into her yeast ferment without beating, and that she could have "made the bread out" in the morning and again into loaves without those twenty-five minutes of "hard and vigorous kneading."

My newest bread recipe calls for the same ingredients, and turns out, according to my family, the same kind of bread that mother made. And I can save several hours of time and all that back-breaking work. —A. M. F.

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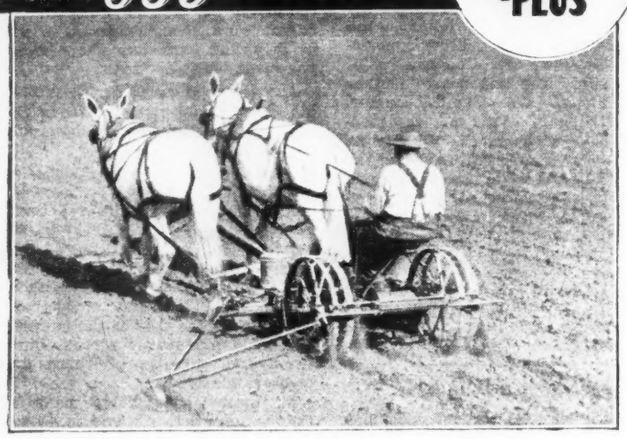

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Sabbath School Lesson

By HENRY WALLACE

Jesus Invites All People

(Notes on the Sabbath School Lesson for April 5, 1936. Luke, 14: 15-24.)

THE Savior was called back to Bethany (near Jerusalem) on account of the death of Lazarus, and after that resumed His work in Perea. There He was invited to dinner on the Sabbath at the house of one of the chief Pharisees.

Let me give you some advice, He says to those assembled: It was an old custom in Israel to invite poor people to special meals of the consecrated flesh of offerings not used at the altar. Why not resume this ancient custom in effect? Instead of having your friends, rich relations and fellow rabbis to dinner on the Sabbath—who will feel themselves obliged to treat you to a similar feast—why not invite the poor people around you, who are not able to provide a good dinner for themselves, and hardly know what a good dinner is like, and let them for once enjoy the blessings which our Heavenly Father intended for all His children? If you invited them with an honest heart and as a duty to your fellowmen, for the purpose of promoting their welfare and happiness, God would remember it at the resurrection of the just.

Thus, both he who invited Jesus to the feast, and those who came to watch Him, were rebuked and humbled and found they were in the presence of a Man who knew the inmost thoughts of their hearts, and pleaded not for Himself nor for caste or privilege, but for the rights of man as man.

Jesus Tells a Story

In order to relieve the embarrassment and unpleasantness of the situation, one of the guests exclaims, "Blessed is he that shall eat bread in the kingdom of God." In other words, However we may differ about matters of controversy now, we shall all be happy when we get to heaven. We have all heard similar remarks from people, well meaning but often soft headed, who are too indolent to find out what is really true in matters of the inner and spiritual life, but are disposed to think that all churches and church members are alike, and that all well meaning people outside the church are as safe as those inside. As a Jew, this speaker no doubt felt quite sure that he would take part in the kingdom of God, and, so to speak, pats himself in congratulation. Jesus then directed His remarks to him and told this story:

There was a certain man living in a large city, who announced in advance a great supper, and invited many guests. All felt complimented, none refused, and by implication at least accepted the invitation. With much labor and expense the host made most ample and expensive preparations for this great supper. Then, at supper time, according to custom, he sent his servant to say to them that were bidden: "Come, for all things are now ready." To his surprise "they all with one consent began to make excuse."

One said: I have just bought a piece of land. I am very much interested in ascertaining the nature of my bargain, and have made arrangements to go out and see it. If you will excuse me, I will appreciate it. Another said: I have bought five yoke of oxen, and am going to hitch them up and work them, and see if they are as represented, therefore, I must ask to be excused. Still another said: I have married and have my own feast. I can not possibly attend.

The servant came back and told his master of the different excuses. Indignant at the slight which had been put upon him by men who, at least by implication, had accepted his invitation, the master of the house said to the servant: "Go out quickly into the streets and lanes of the city, and bring in the poor and maimed and blind and lame. And the servant said: Lord, what thou didst command is done; and yet there is room." Then the lord said: Go outside the city into the byways, find the poor folks that camp along the ledges and who have never had an invitation to my supper or any other, Urge them to come in, assuring them of the feast that is in store.

We miss the full meaning of this parable if we fail to observe its keen thrust at the system of caste, which appears in one form or another in every age and in every civilization. In Judea, high caste could be reached only by strict performance of the outward ceremonies of religion. In some countries it is based on bloodlines. In our own country on great wealth—inherited perhaps, or accumulated, little matter how.

Jesus, now nearing the close of His life, would have His friends and foes alike to understand that He is no respecter of persons; that high and low, rich and poor, professors and nonprofessors, are all in a broad sense the children of God, and entitled to share in the feast. The practical question each one of us has to answer is: Are you willing to participate in the life of Christ? Immediate obedience, devotion to the will of God, the rights of human brotherhood—all these make up the only coat of arms worn by the children of the King.

Jesus Triumphs Over Death

Easter Lesson

(Notes on the Sabbath School Lesson for April 12, 1936. Luke, 24: 1-12.)

WHEN the body of Jesus was laid by Nicodemus and Joseph of Arimathea in the tomb hewn out of the rock by the latter for the use of himself and family, the disciples must have felt crushed. Intense as was their love for Jesus, sublime as had been their devotion, wonderful as had been His power over them, and miraculous as it had been over all, naturally they must have been convinced that they were horribly mistaken as to His power and His mission. Up to about midnight of Thursday, He had seemed all powerful, omnipotent. After His enemies had for the first time laid hands on Him, His power seemed entirely lost. There must have been the horrible conviction, since shared by the sons of men under tribulation, that wrong had triumphed over right, and the inference must have been more or less clearly drawn that the government of the universe was in the hands of a fiend. There is nothing more terrible to a right-minded man than this thought.

No human eye ever saw the resurrection itself. Its evidence is threefold and complete. First, the empty grave; second, the testimony of the angels; third, the various appearances of the Lord Himself. The evidences to the disciples of the resurrection of Jesus were so overwhelming that all the accounts, or records, of them are greatly condensed, and none of them complete.

So far as we can gather from these brief and fragmentary accounts, selected from various portions of the Scriptures, the order of the appearances of Jesus to His disciples and others who believed in Him was as follows: Mary Magdalene watched in the distance the sealing of the tomb. She and another woman friend of Jesus had spent Friday evening or most likely Saturday evening after the Sabbath was over, in preparing spices to complete the embalming of the body.

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Early in the morning, while it was yet dark, or as soon as the first break of day appeared, they started for the tomb from some point outside the city gates, with their spices and ointments. Mary Magdalene seems to have left the others and ran ahead and arrived at the tomb in advance, and, seeing no guard or soldier, and the open tomb, was evidently terrified with the thought that the tomb of Him she loved had been desecrated, that the hatred of the Jews toward Him had followed Him into the grave itself, and she went at once in great haste with the horrible tidings to Peter and John.

On the information of Mary Magdalene, Peter and John ran to the tomb, but passed in without seeing the angel of the Lord. Mary, who followed them to the tomb, looked wonderingly in, and, seeing the angel, turned back and obtained the first view of the risen Lord, who also appeared to the other women as they went to carry the tidings to the disciples, and then to John and Peter. That same evening, Jesus traveled with two disciples to Emmaus and later suddenly appeared in the midst of the assembled disciples, Mark being absent.

The next first day of the week, He again visited their prayer meeting, and reproved the skepticism of Thomas. The disciples then went to Galilee, according to Jesus' commands before His death, where He appeared to some of them on the lake of Tiberias. He appeared to a large assembly, consisting of about five hundred. He was then seen by James, and lastly by the apostles on the Mount of Olives, just before His final ascension into heaven.

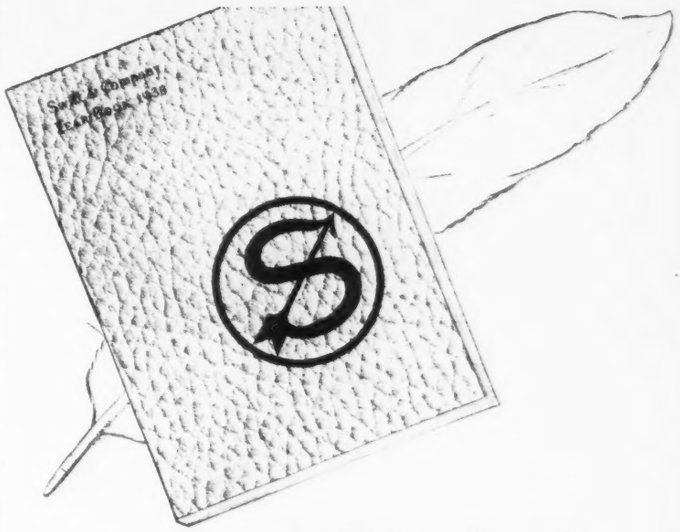
When this lesson opens, Mary had come in advance and two other women followed. They were surprised to find the stone rolled away from the tomb, and still more perplexed when two forms appear near by them in dazzling apparel. The most astonishing thing of all was when one of the supernatural visitors said to them: "Why seek ye the living among the dead? He is not here, but is risen." Now they remember the things Jesus had told them about his death and resurrection, and run back to the city to tell the eleven, and all the rest who believed in Jesus, of what they had seen.

John and Peter Arrive

As they return in haste, Peter and John come running, John taking the lead because he is the younger and the more active, followed by Peter and he by Mary Magdalene. John, who is first at the tomb, stands aghast at the horrible deed—a desecrated grave! Peter, who is more impetuous, enters in, and finds no evidence of desecration, but the clothes in which Jesus had been wrapped when placed in the tomb, and the head covering, or napkin, neatly folded and lying in their appropriate places, as if time had been no object. The two disciples now also begin to think seriously for the first time of what Jesus had said about rising from the dead. For the first time they begin to get an idea of the true meaning of His various sayings on this subject. They go to their own homes to think it all over.

The word the women brought to the other disciples seemed like an idle tale, the result of overwrought imagination and exhaustion, and they believed them not.

It is interesting to note how, all thru, the action of each particular individual, whether Peter, John, Mary, or the other women, was just what we would expect. It is quite natural that the other disciples, apart from Peter and John, having seen nothing, should regard the whole story as imagination or the hallucination of frightened women. Even in the region of the supernatural, which these appearances evidently were, we find human beings acting in the most natural manner. Such a story as this one, if it were not true, could never have been devised by mortal man.



A Bird of Another Feather

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The Poultry

Select Eggs for Hatching

A temporary scarcity of hatching eggs, brought on by the record cold weather of the winter, will be costly to poultrymen this year if it tempts them to use anything but the best eggs for hatching purposes, according to H. H. Alp, poultry extension specialist at the University of Illinois.

Careful selection of hatching eggs is one of the easiest ways for flock owners to make some improvement in their stock. The old saying that "like begets like" is true enough to make the careful selection of hatching eggs very much worth while. It is definitely known, for instance, that egg shell color and egg size are inherited. Hence, the flock owner has a splendid opportunity to make a start in obtaining uniformity in color and size of eggs by sorting his hatching eggs on this basis.

It also is important that hatching eggs be gathered several times daily, particularly during extremely cold weather and in houses not equipped with enough nests. The eggs should be turned once or twice a day while they are being held for hatching. This may be done if they are packed in cases simply by turning the cases so that the position of the eggs within will be changed. The cases could be turned on their sides in the morning and stood on end in the evening.

The room temperature for holding hatching eggs should be around 50 degrees. Later, when the eggs are being taken to the hatchery, they should be protected from extreme weather conditions and rough roads. Severe jolting will likely lower the hatchability.

Deep Yellow Yolks

Why do egg yolks vary so much in color, not only between different flocks, but in the same flock at different times? Primarily, because of the amount of green feed, or a green feed substitute rich in vitamin A.

A ration rich in vitamin A—of which grass or other green feed is the best source—means rich yellow yolks. Hens running on good range will store enough vitamin A in two eggs to furnish a person with his essential daily supply of vitamin A. So, when the city consumer expresses a desire for pale yolks, he is asking for eggs that are deficient in this vitamin.

Not only do rich yellow yolks mean better food, but they also mean that the eggs will go thru a cold storage period of six or eight months with less deterioration than eggs which are low in vitamin A.

A ration rich in green feed or other carrier of vitamin A not only means storage of this vitamin in the egg yolks, but it also means better hatches and stronger chicks, with a consequent reduction of death losses in the laying flock.

Cockerels for 1937

It seems early to talk about getting cockerels for next year at this time. However, the changes taking place in the hatchery business are very definitely modifying the matter of obtaining really desirable cockerels in the late fall or winter.

The selling of sex-sorted chicks is fast becoming a large share of the business of the hatcheries. This means, in the long run, that a very high percentage of the cockerels are going to people who will sell every one of them as fries, broilers or roasters. This leaves no reserve from which breeding cockerels may be bought.

Secondly, the practice of sexing chicks for sale makes it possible for those who desire it to buy cockerels from unusually valuable stock at a very reasonable price — purchasing them as baby chicks. The possibilities of flock improvement thru buy-

Keeps Your Chicks STRONG & HEALTHY

DR. SALSBURY'S **PHEN-O-SAL** TABLETS

● Most chicks begin life in a normal and healthy condition. Keep them that way by regular use of **Phen-O-Sal** Tablets in their drinking water. This provides a medicinal fluid that goes to all parts of the intestines, where it checks and prevents bowel disorders such as constipation and diarrhea . . . heals up any inflammation present . . . soothes the mucous membrane . . . and provides many blood-building elements necessary to good health and vitality.

Begin *now* to put *your* chicks on a Phen-O-Sal health-building program. A package of 125 tablets costs only $1.00.

● Early worm control is important! Add Dr. Salsbury's **Avi-Tone** to the mash to check and prevent round-worm infestation. **Avi-Tone** is 100% medicine with no filler.

FREE 16-page book "First Aid to Baby Chicks"; book on Worm Control; book on Vaccination. Write us!

DR. SALSBURY'S LABORATORIES
Under personal direction of Dr. J. E. Salsbury, Veterinarian and Specialist in Poultry Diseases
100 Water Street, Charles City, Iowa

Dr Salsbury's POULTRY HEALTH SERVICE STATION — Take Your POULTRY TROUBLES To The Dealer Who Displays This Emblem. He Is a Member of Our NATION-WIDE POULTRY HEALTH SERVICE.

CHICKS from Prof. King's BLOODTESTED FLOCKS

PROF. KING

MAKE MONEY WITH STARTED CHICKS!

Two, three and four week old chicks our specialty! 40,000 capacity chick brooding plant. Buy started pullets now for heavy, profitable fall egg production. Order cockerels for capons today. Such [illegible] heavies as Rocks, Giants, Reds, Wyandottes, Orpingtons, also big type Leghorns. All Bloodtested! Visit our broodery or send a postal for free catalog now!

IOWA CHICK HATCHERY
Box 427 Iowa City, Iowa

FARROW CHIX FOR SUCCESS

If you want the best in chicks at a fair price, try FARROW CHIX. All healthy and blood-tested. 100% alive delivery, prepaid.

QUALITY MATINGS	100	500
Barred, White, Buff Rocks, S. C. Reds, White Wyandottes, Buff Orpingtons, Black Minorcas	$ 8.45	$41.25
White or Brown Leghorns, Anconas	$ 7.95	$38.75

Special Matings 2c a chick higher than Quality Matings. Famous Farrow Star Matings White Leghorns 4c a chick higher than Quality Matings. Order now from these low prices or send for free catalog. Add 1c per chick when ordering less than 100.

FARROW CHICKERIES
DEPT. 40 PEORIA, ILLINOIS

Money Back GUARANTEE ON CHICKS NO CATCHES!

PETERS' FAMOUS SPECIALS

Most valuable guarantee ever made on chicks. Protects against excessive losses first two weeks, and if in 5½ to 6½ months you aren't completely satisfied with production of pullets, money refunded. No catches. FREE catalog explains. You take no chances. Guarantee applies on White Leghorns, Barred and White Rocks, New Hampshire Reds, Wyandottes, Sex-Linked Crossbreds, Sexed Purebreeds. A small investment in odd lots (Peters [illegible] selection) will insure guaranteed high production [illegible]

$7.25 Per 100

PETERS-CERTIFIED POULTRY, Inc.
A. G. Peters, Box 35 Newton, Iowa

STOUFFER'S STURDY CHICKS

B. W. D. tested Ill. U. S. approved; 100% live delivery. Prepaid

IMMEDIATE DELIVERY

Wh., Br. Leghorns, Bf. Leg., Anconas 7.95; 500—$38.50. Br., Bf., & Wh. Rocks 8.45; 500—$41.00. Bl. Min., Orps., Wyan., S. C. Reds 8.45; 500—$41.00. Heavy and light mixed $5.90; 500-$29.50; Heavy $6.75; 500-$33.50. Special matings any above breeds 1c chick higher. A A A Large Barron Leg., 100-$9.95; 500-$48.50. $1.00 per 100 books order balance C. O. D.

We are located 40 miles east of Dubuque, Iowa

Sadie Stouffer Hatchery, Dept. W Waddams Grove, Ill.

SEND NO MONEY GUARANTEED CHICKS

ALLIED CHICKS

2,000,000 Allied Chicks of 25 leading breeds from 10 states for our 10,000 old and new customers in 1936. Sexed and Hybrid chicks. Livability Guaranteed. We ship C. O. D. No money down. Low prices with early order discount. Write TODAY for FREE price list and save money on your chicks.

ALLIED CHICKS
P. O. Box R-444 Cedar Rapids, Iowa

ZIEMER'S CHICKS Increase your profits. Purebred poultry since 1900. Heavy, big egg producers. 10,000 Prizes. Catalog Free.

A. A. Ziemer Hatchery Austin, Minn.

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Wonderful Success
Raising Baby Chicks

Mrs. Rhoades' letter will no doubt be of utmost interest to poultry raisers who have had serious losses in raising baby chicks. We will let Mrs. Rhoades tell her experience in her own words:

"Dear Sir: I see reports of so many losing their little chicks, so thought I would tell my experience. My first incubator chicks, when but a few days old, began to die by the dozens. I tried different remedies and was about discouraged with the chicken business. Finally I sent to the Walker Remedy Company, Waterloo, Iowa, for a box of their Walko Tablets to be used in the drinking water for baby chicks. It's just the only thing to keep the chicks free from disease. We raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."

Mrs. Ethel Rhoades, Shenandoah, Iowa.

DANGER OF INFECTION AMONG Baby Chicks

Readers are warned to exercise every sanitary precaution and beware of infection in the drinking water. Baby chicks must have a generous supply of pure water. Drinking vessels harbor germs and ordinary drinking water often becomes infected with disease germs and may spread disease through your entire flock and cause the loss of half or two-thirds your hatch before you are aware. Don't wait until you lose your chicks. Use preventive methods. Give Walko Tablets in all drinking water from the time chicks are out of the shell.

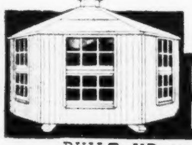
YOU RUN NO RISK

We will send Walko Tablets entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is when used in the drinking water for baby chicks. So you can satisfy yourself as have thousands of others who depend on Walko Tablets year after year in raising their little chicks. Send 50c (or $1.00) for a package of Walko Tablets—give it in all drinking water and watch results. You run no risk. We guarantee to refund your money promptly if you don't find it the greatest little chick saver you ever used. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee.

WALKER REMEDY COMPANY
Dept. 12
Waterloo, Iowa

For Sale by all Leading Druggists and Poultry Supply Dealers.

SAVE MORE CHICKS! MAKE MORE MONEY!



IMPROVED ECONOMY BROODER HOUSE!

BUILT UP to QUALITY NOT DOWN to PRICE!

Note these outstanding features: Priced at LESS than you can build! Built extra tight to eliminate drafts and cold corners! Large double windows in three sides let in sunlight all day long! Heavily galvanized ventilators and tilting top windows allow for correct ventilation! Portable—mounted on creosoted skids for easy removal to clean, fresh ground! 750-chick capacity brooder house shown above. May be easily enlarged to take care of almost any size flock!

Comes in sections ready to bolt together—easily erected in three hours! All materials furnished—no extras to buy! Write today for FREE circular.

LOW-PRICED—EASY TERMS
MONEY BACK GUARANTEE

GREEN GABLE BUILDERS ONAWA, IA.

SAVE CHICKS
Medicate the Drinking Water
STANDARD
SULPHO-CARB Tablets

Merely dissolve one tablet in each gallon of drinking water. Use every other week. Powerful antiseptic. Corrects digestive disorders, the chief cause of chick death loss. Starts chicks right. Repays low cost 10 times over. Keep a supply always.

SPECIAL If your dealer hasn't it, send $1 for box of 50, delivered prepaid. Send NOW!

STANDARD CHEMICAL MFG. COMPANY
Dept. 165 John W. Gamble, Pres. Omaha, Nebr.

TRADE MARK
HOMASOTE
INSULATING AND SHEATHING BOARD
Protects against cold, wind and dampness.
FREE PLANS Laying Houses, Brooder Houses, Special Houses for Battery Plants, also Samples of Homasote. Write today.
THE AGASOTE MILLBOARD CO.
Dept. 45 Trenton, New Jersey

ing baby cockerels from matings from which the breeder would not care to sell the pullets makes for a very easy and cheap method of flock improvement.

Poultry House Insulation

The winter just past proved the value of insulation in henhouses in two ways. First, insulated houses could be kept in a livable condition for hens in spite of the temperatures of 20 to 30 degrees below zero. Even in them, however, the hens felt the cold, and egg production dropped off. But in houses with a single layer of boards between the hens and the northern gales, the mere existence of the birds was all that any one could expect. The production of any quantity of eggs was out of the question.

Wallboard—made from corn stalks, straw, pulpwood or sugar cane stalks—proved to be the most effective insulation. Double lumber walls, lined with resin, felt or other sorts of heavy paper, was good, but less effective than the wallboard. A complete and heavy banking with corn fodder or straw was beneficial.

Not only in the matter of warmth did the insulated houses prove effective. Houses which were not insulated gathered frost from one-half to one inch thick, during the two weeks of below zero weather, with wet bedding and roosts when the weather moderated. Houses which were adequately insulated showed none of this frost accumulation on the walls. Straw lofts, like insulated walls, prove their worth and superiority.

Since the weather bureau has called our attention to the fact that severe winters commonly come in groups, we should prepare our henhouses for intense cold for the next two or three winters to come. Insulation and straw loft installation should be planned by a large number of poultrymen during 1936.

Milk Almost Essential

Twenty-five years ago, it was the common custom to produce poultry on grain alone, except for such green feed, bugs and worms as could be picked up on the range. Growth was slow and death losses were high, even when the flock was not hampered by disease or parasites.

There is an essential feeding principle behind this inability to obtain good growth and egg production on grain or grain products alone. Grains are deficient in certain essential minerals and vitamins, and the proteins are of lower grade than animal proteins.

If animal products — especially milk in some form—are added to the grain ration, not only are the proteins, vitamins and minerals of the milk or other animal products utilized, but also a much higher percentage of the nutrients in the grain go to the making of growth, energy and reproduction.

Milk is especially valuable in making for a more complete utilization of the nutrients in grain and grain products, both in growing chicks and laying flocks. For this reason, its use in some form—liquid, paste or dried—should be the first item in a practical poultry ration in the corn belt.

The amount necessary is not so great. If milk is costly in proportion to meat products, tankage, meat scraps, meat and bone, it may be held down in amount, but should not be entirely omitted. Five per cent of the mash should be dried milk—or its equivalent in paste or liquid milk. If dried milk, skim-milk or buttermilk costs no more than twice as much as tankage per pound, 10 per cent of it in the mash is profitable in the case of starting or growing chicks. The higher utilization of the nutrients contained in the grain makes this true.

It is not a matter of whether we can afford to feed milk in some form; rather, it is that we can not afford to raise or keep chickens unless there is some milk in the ration.

STROMBERG WINTER LAYER CHICKS

NEW BOOK FREE

Order Stromberg Winter Layer Chicks. Utility Grade at lowest prices. From pure bred flocks, blood tested for B. W. D. and Fowl Typhoid—vaccinated for Roup and colds. $1.00 per 100 deposit, bal. C. O. D.

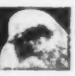
New Catalog in colors—complete prices Stromberg Winter Layers, in our Utility, Standard and Super Quality. "SEXED CHICK SECRETS" FREE. Amazing facts how to have sexed chicks at no extra cost. Prices and information on TURKEY RAISING—FREE. Write today.

EARLY ORDER PRICES
STROMBERG UTILITY GRADE

Varieties	100	500	Varieties	100	500
Assorted	$6.25	$31.25	S. C. & R. C. Reds, Wh. Bt., & Brd. Rocks, Bf. Orps., Wh., Bf. & Bl. Minorcas, R. C. I. Whites.	$9.00	$43.75
Heavy Assorted	7.00	35.00			
S. C. Wh., Bt. & Br. Leghorns, R. C. Br. Leghorns, Anconas.	8.50	41.25			

STROMBERG HATCHERY, Dept. 7, FORT DODGE, IOWA

MOTHER MILLER CHICKS Famous Layers SINCE 1912



R.O.P. WING BANDED CHICKS
U. S. APPROVED AND BLOOD TESTED FLOCKS
LAYERS OF BIG CHALK WHITE EGGS
MAMMOTH BRONZE TURKEYS
MAMMOTH WHITE PEKIN DUCKS

BRED to NEW and HIGHER Standards

Larger Size, Larger Eggs, Greater Productivity. I recommend these Famous Layer chicks for your flock improvement.

QUALITY MATINGS	100	500	1000
White, Brown and Buff Leghorns	$7.95	$38.50	$74.50
Brd., Wh. and Bf Rocks, S. C. Reds, Bf. Orps.	8.45	41.00	79.50
White Wyandottes	9.45	46.00	89.50

$7.95 Per 100

SPECIAL MATINGS 2c more per chick than Quality Matings. Choice of 1,000 flocks including chicks from White Leghorns sired by R. O. P. cockerels.
ROYAL MATINGS—R. O. P. males and R. O. P. supervised females, 100 $12.95, 500 $63.75; 1,000 $127.00.
All Illinois flocks U. S. approved and blood-tested. Sexed chicks, 90% accuracy guaranteed. Order from this ad. 100% live delivery.

THE MILLER HATCHERY Dept. 140 BLOOMINGTON, ILLINOIS

SEND FOR 1936 CATALOG AND PRICE LIST

THE OLD RELIABLE HATCHERY
3½ MILLION CHICKS ANNUALLY

LUX LARGE TYPE LEGHORNS

TANCRED LEGHORNS—World's greatest layers, 300-314. R. O. P. Official egg-bred cockerels head our best matings. 2,500 large type, big egg, trapnested and pedigreed sired winter layers.
LEGHORN SPECIALISTS All chicks produced on our 10 acre specialty breeding plant. SEXED CHIX or straight run. Day old pullets or cockerels from selected matings. One of the finest equipped breeding plants in the middle west. Twenty years trapnesting and selective breeding.
FREE catalog. LUX LEGHORN LAND FARMS, HOPKINTON, IOWA

THE CHICK IS RIGHT!

● ManAmar in the starting mash builds red blood and vigor. It supplies the mineral elements essential to growth and health. With ManAmar Feeds, you raise a larger percentage of your chicks and have fewer culls.

MANAMAR
Nature's Food Minerals from the Sea

Coming from the sea, ManAmar amply supplies every essential mineral element in easily assimilated, body-soluble form. Mixed in the ration, it provides a sure source of these minerals, which now-a-days are frequently lacking in land grains. To insure rapid, sturdy growth, early maturity and the vigor that insures profitable production—start your chicks on a ManAmar Mash.

FREE... Our booklet, "The New Way to Feed Minerals" points the way to better profits. Write for it Today. (205)

PHILIP R. PARK, INC.
Dept. 17 608 So. Dearborn, CHICAGO
Manufacturing Plant: San Pedro, Calif.

INSIST ON MASHES MIXED WITH MANAMAR

140,000 Poultry Raisers Preferred SIEB'S OVERSIZE CHICKS

You just can't doubt the good judgment of 140,000 honest poultry raisers who have bought FORTY MILLION SIEB CHICKS. Their preference for Sieb's Oversize Chicks is the strongest proof of their remarkable value that could possibly be offered. Sieb's Chicks are ONE GRADE ONLY, THE BEST. Wonderful layers of large premium eggs and extra pounds of meat for broilers insures you a highly profitable flock. Send for our new Poultry Book, or order from this ad. We guarantee 100% live prepaid delivery.

AVOID DELAY--ORDER NOW

PRICES PREPAID	100	500	1000
Wh., Br., Bf. Leghorns	$7.95	$38.50	$74.50
Bd., Wh., Bf. Rocks, S. C. Reds, Wh. Wyands. Buff Orpingtons	8.45	41.00	79.50
White and Black Minorcas, Wh. Orps., S. L. Wyands. Anconas	8.95	43.50	84.50
Heavy Mixed for Broilers	7.45	36.00	69.50
Light Mixed for Layers	6.95	33.50	64.50
Heavy & Light Assorted	7.15	34.50	66.50
Mixed Sexed Chicks	5.95	28.50	54.50

Add 25c Extra on Lots of Less than 100.

SEXED CHICKS Prices per 100: Leghorns, Anconas, Minorcas--Pullets, $15.95; Males, $4.45; Any Heavy Breeds, Pullets, $12.95; Males, $8.95. 90% accuracy guaranteed.

SIEB'S HATCHERY Box 136 Lincoln, Ill.

SEASON'S BIGGEST BARGAIN!

Only $49.50 FOR IDEAL Brooder House 10' x 12'
Complete with floor

500 Chicks. Sensational low price includes everything—floor, Lustra-glass windows, west coast fir creosoted panels. Just 9 sections—2 hours' work bolts house together. Get FREE data!

IDEAL BUILDERS, Dept. E GLEN ELLYN, ILL.
WRITE FOR FREE BULLETIN TODAY

SHINN'S CULTURED CHICKS

Sensational profits and egg records are made with Shinn's Cultured Chicks. Space permits giving you only a few of the amazing reports received. P.A. Nesbitt, Wyo., writes: "Made $400 profit with 225 pullets in 7 months." B. H. Smith, Ore., reports: "$266.82 profit in 8 months with 100 pullets." Mrs. Newberg, S.Dak., reports: "130 to 145 eggs daily from 185 pullets." H.O. Walters writes: "My yearling hens averaged 215.6 eggs per hen for 10 months 25 days." All Shinn's Cultured Chicks are from finest purebred flocks. Winners in over 125 Official Egg Laying Contests. You will find none superior. 100 per cent live arrival guaranteed. Order from this ad.

LOW PRICES—QUICK SERVICE

PRICES PREPAID	100	300	500
English White Leghorns	$7.95	$23.55	$38.75
Barred Plymouth Rocks, Rhode Island Reds, Buff Orpingtons	8.45	25.20	41.75
White Plymouth Rocks	8.35	24.75	40.75
White Minorcas	8.85	25.95	42.75
Jersey Black Giants	9.95	29.25	48.25
Assorted (For Broilers)	6.95	20.25	33.25
Assorted (For Layers)	6.65	19.95	32.75

WAYNE N. SHINN HATCHERIES, Box 412, LaPlata, Mo.

WALDBESER CHICKS—FOR PROFITS

$7.45 Per 100 $36.50 Per 500
Large English Leghorns

$9.00 Per 100 $44.50 Per 500
WHITE GIANTS

$7.95 Per 100 $38.50 Per 500
White, Barred or Buff Rocks—S. C. Rhode Island Reds—White and Columbia Wyandottes—Buff Orpingtons.

Special Matings 2c per chick extra. Blood tested 100% alive delivery postpaid.

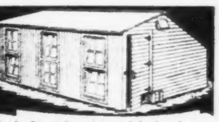
FROM PURE BRED SELECTED FLOCKS
MORTON HATCHERY, Box I, MORTON, ILL.

Boote's CHICKS

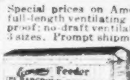
Blood-tested, culled, pure-bred flocks. Popular breeds. Order from nearest Boote's Hatchery or write
BOOTE'S HATCHERIES CORP.
General Office and Poultry Farms
Box W, Worthington, Minnesota

$6.40 per 100 and up

BROODER HOUSE BARGAINS



Special prices on America's finest brooder and laying house, full-length ventilating windows, double floor, creosoted, germ-proof; no-draft ventilation; sectional, movable. Extra head room. 3 sizes. Prompt shipment. Ask dealer or write for free circular and prices.



NEW ECONOMY FEEDER
5 popular priced sizes. Handles all feeds; rat proof, rain-proof; heavy fir and steel. Saves feed, saves money. See dealer or write for circular and money-saving prices.

The HARGROVE CO., 404 N. Y. Avenue Des Moines, Iowa

THOUSANDS OF FARMERS

find what they need in the Classified Section

Turn To It!

LOBDELL'S FRESH-AIR CHICKS

White Giants, $10.00; White and Brown Leghorn Pullets, $16.00 per 100. All standard breeds of purebred Chicks. Send for Circular and price list.

LOBDELL HATCHERY, Box H
WATERLOO, IOWA

FASTER PROFIT! FIND OUT HOW!

LEARN-THE-FACTS COUPON

Fill out this information coupon today and get all the facts as to why Hubbard's Sunshine Concentrates increase milk production, build better beef faster, fatten turkeys so that they command a premium, fatten hogs fast for less money, increase and maintain egg production, start baby chicks right and keep them well.

HUBBARD MILLING COMPANY, MANKATO, MINN.

My Name is.................. I am interested in feeding Hogs ☐ Beef cattle ☐
My Address is.................. Dairy cows ☐ Egg production ☐ Baby chicks ☐
Town.................. Turkeys ☐ Size of present Flock or Herd or Pen
State..........R.F.D...........
I am now feeding (give type of feed)..................

Over 100,000 Satisfied Users

Feed The HUBBARD SUNSHINE Way

A Scientific Formula Any One Can Feed

DON'T FEED "FEED"

The "Jim Dandy" Collar
Better Made-Holds the Shape
PREVENTS SORE SHOULDERS
Saves Your HORSE—Saves Your DOLLARS
ONLY $2.95 EACH

SOLD IN EVERY HARNESS TOWN

HANDY Hoof Trimmers

An ideal tool for every farmer. So simple that a boy can do the work. Use this tool for trimming hoofs on horses, cows and bulls. Ideal for dehorning young stock. Using this trimmer prevents accidents, saves time and money. 30 inch handles give leverage. Made of high carbon tool steel. Price $4.95 F. O. B. Fergus Falls, Minn.

OVER 35000 SATISFIED USERS

AGENTS WANTED! MILCARE CORP. Fergus Falls, Minn.

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Lime and Inoculation

If you are growing legumes, be sure your soil is offering these crops enough lime so their inoculating bacteria can serve them effectively.

Unless these bacteria get plenty of lime, your legumes are not adding nitrogen to the crop from the air for future soil improvement, nor are you providing your livestock with a feed rich enough in ash and protein for their profitable growth. You may be growing a legume crop on moderately sour land with even moderate yields, but very probably the forage does not have the feeding value per ton it might have had it been grown on well limed soil.

Crops requiring inoculation make heavier demands on the soil for lime than those which do not foster bacteria. While a sixty-bushel crop of corn, forty bushels of oats or corresponding crops of wheat or barley—all non-legumes—require less than the equivalent of twenty pounds of limestone, a two-ton crop of well inoculated red clover requires 260 pounds of lime.

Alfalfa, which is a still heavier producer of nitrogen thru the bacterial activity on its roots, requires yet more time. Soybeans, erroneously considered an acid soil crop, can use the equivalent of about 165 pounds of limestone in making two tons of hay. Legumes are the heavy lime feeders, and are the only inoculated crops, so that limestone must be thought of in connection with crops requiring inoculation.

When a soil is once well stocked with the proper nodule bacteria for a particular legume crop, these microbes remain viable for a long time, even if their host crop is not grown there. However, the length of time they persist depends much on the lime supply the soil offers.

On acid soils, as those low in lime, they may not persist for even one round of the rotation. Consequently, when a soil is seriously in need of lime, it will also be in serious need of inoculation. After liming, to make clover possible where it has not been grown for several years, it will be necessary to introduce the proper nodule bacteria thru inoculation of the seed.

Thompson to Omaha

Wilbur H. Thompson, secretary of the Iowa Farmer Grain Dealers Association, has been appointed secretary and treasurer of the Omaha Bank for Cooperatives. Mr. Thompson has been active in farmer cooperatives since 1912, beginning as manager of the Farmers Elevator Company at Geneva, Iowa. He became secretary of the Iowa Elevator Federation in 1927.

The Bank for Cooperatives is a part of the Federal Farm Credit Administration. Its head is Jerry Mason, formerly manager of the Des Moines milk cooperative and later administrator of the dairy division of the AAA at Washington.

Color in Hay

Is green color in hay of any importance?

R. F. Crim, of the University of Minnesota, makes the following statement in this regard:

"Generally speaking, green color in hay is quite important because it indicates that the hay was cut early and has not been damaged by rain or other causes after cutting. Green color in hay is associated with vitamin A, which is very important in animal health and reproduction. The vitamin A content is greatly reduced when hay is discolored from rain, sun-bleach and other causes."

The population of the United States last July, according to the United States census, was 127,521,000. This is only a 4 per cent increase since 1930. The average annual increase since 1930, in numbers of persons, was 904,000, as compared to an average annual increase of 1,665,000 between 1920 and 1930.

Old Grapevines

Old "woody" grapevines will sometimes respond successfully to severe pruning, it is reported by the Illinois experiment station.

Concord vines at the station that were seventeen years old, unproductive and incapable of producing new canes in the correct position for renewal purposes were severely headed back during the dormant season, leaving old trunks from four to eight inches long. A vigorous growth of young shoots resulted. These were tied to the trellis as they grew.

At the beginning of the second season, a straight cane growing in an upright position with several healthy lateral growths was selected as the new permanent trunk and arranged on the trellis according to the Kniffen system. Because of their extensive root systems, the heavily pruned vines began at once to grow a new head capable of producing a fair crop of fruit the second season following.

Certain other vigorous vines, with suckers coming from near or below the ground, were brought back into a state of production without the loss of a crop. A portion of each old trunk was removed. Given good care, the sucker then developed into a strong cane during the growing season. The most vigorous laterals of moderate size, about the diameter of a lead pencil, and well matured out to the tips, were selected for fruiting arms the following winter at pruning time, and the old, comparatively unproductive wood was removed.

Friley Succeeds Hughes

Raymond M. Hughes, since 1927 president of Iowa State College, and now on leave of absence, resigned last week on account of poor health. He has been succeeded by C. E. Friley, who has been serving as acting president in the absence of Doctor Hughes, and who has been since 1932 dean of the industrial science division.

Former President Hughes will return to Ames as president emeritus. He came to Ames from the presidency of Miami University, Oxford, Ohio, nine years ago.

President Friley is a graduate of Texas Agricultural and Mechanical Arts College, and served on the staff of that school since 1912. He was dean of the school of arts and sciences at Texas from 1924 to 1932.

George W. Godfrey, since 1933 assistant to the president in agriculture, has been named director of agricultural relations. A statement of the board of education says: "In his new capacity, Mr. Godfrey will be responsible for the coordination of the extensive agricultural program of Iowa State College. In cooperation with the heads of the research, teaching and extension division in agriculture, he will give particular attention to developing and strengthening the relationships between the college and the agricultural interests of Iowa."

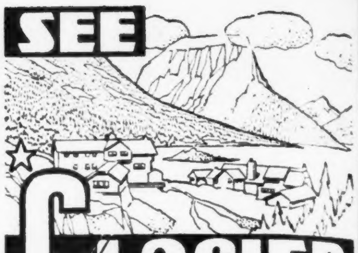
Swiss Trade Deal

The new trade agreement with Switzerland provides for admission to that country of more lard, wheat, rice and fruits from the United States. On lard, 90 per cent of all Swiss imports are to come from the United States and import charges are cut 50 per cent. In return, the United States lowers tariffs on dyestuffs, watches and Swiss textile specialties.

Nebraska Feeders' Day

Nebraska Feeders' Day will be held this year on April 17, at the College of Agriculture, at Lincoln. The station has been doing a lot of work with cattle fed largely on roughage, and will report the results at this time. With many farmers planning to shift to a program using less grain and more pasture and roughage for cattle feeding, these experiments should be particularly timely.

SEE



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THE DAIRY

Cheese From Canada

About 98 per cent of all the cheddar or American cheese received in this country from abroad comes from Canada. Domestic production of cheddar cheese increased greatly in December, 1935, as well as in January, 1936, in Wisconsin alone the increase being about 50 per cent ahead of production in January, 1935. It was the largest jump in cheese production for midwinter on record.

Canadian imports of cheddar also increased. February imports were not released when this tabulation was made, but it is estimated in advance that they will be smaller than January. Statements made by dairy authorities indicate that much of the Canadian cheese has been brought in for processing purposes. It is not fully demonstrated that the lower prices for cheese paid in February and March are entirely due to imports in the face of storages above normal and heavy increases in domestic manufacture.

Following is a comparative table for the years 1925 to 1935, inclusive, giving the imports in pounds of cheddar cheese from Canada and the average Wisconsin price of cheese per pound:

1925	210,000 lbs.	21.5c
1926	11,835,000 lbs.	20.2c
1927	13,268,000 lbs.	22.7c
1928	7,488,000 lbs.	22.0c
1929	8,279,000 lbs.	20.0c
1930	3,142,000 lbs.	16.4c
1931	1,511,000 lbs.	12.5c
1932	606,000 lbs.	9.9c
1933	1,028,000 lbs.	10.2c
1934	1,034,000 lbs.	11.7c
1935	737,000 lbs.	14.3c
January, 1936	706,714 lbs.	15.8c

Imposition of two cents more duty in 1930 did not result in raising the domestic price for cheese, altho it lowered the imports. The story is not fully told until our exports of manufactured articles to Canada are given, which signifies more employment and greater home consumption possibilities for cheese.

Estimating Cow Weights

Is it possible to estimate the live weight of dairy cows with reasonable accuracy without the use of scales?

Measurement studies at the Missouri experiment station, at Columbia, indicate that live weights can be rather accurately computed from body measurements. The relationship between heart girth and live weight was found to be close in a careful study of 4,513 sets of records. Therefore, heart girth measurement is regarded as the best indicator of weight.

A. C. Ragsdale and S. Brody, of the Missouri station, have worked out tables giving live weights for corresponding heart girths. The tables are published in Bulletin 354. To estimate the weight of a cow, measure the heart girth with a tape placed six inches back of the front legs. Then look in the tables for the live weight corresponding to such heart girth measurement.

It is claimed that in two cases out of three these estimates will be within seven per cent of perfect. That is, a cow that weighs 1,000 pounds will in most cases be estimated to weigh not less than 930 pounds nor more than 1,070. It is not possible to make closer estimates, according to the Missouri workers, because natural weight fluctuations, due to feeding, drinking, defacation, urination, etc., taken with variations due to inherent biological differences between animals, amount to seven per cent.

High Butter Scorer

A. C. Kraft, of Strawberry Point, Iowa, took first in the national butter scoring contest at Iowa State College recently. Five states were represented in the competition.

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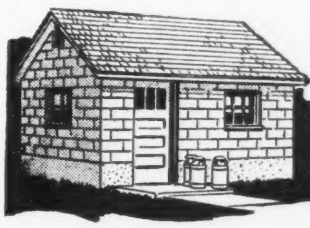

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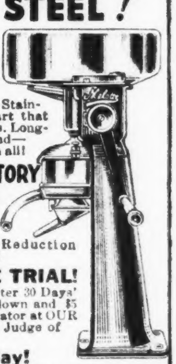

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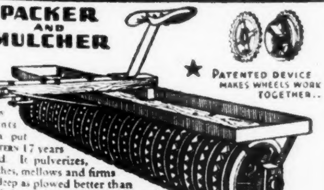

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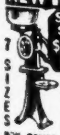

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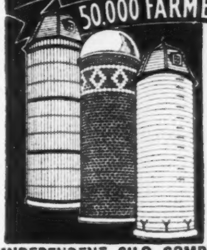

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60 DUROC JERSEY SOWS

We are offering these at private sale. The big, easy feeding kind. Bred to and sired by the best boars in Iowa. Bred for March and April. Come quick if you want some.
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We are offering fall boars and open fall gilts, sired by the sensational boar "Perfect Ballrunner." Show prospects, deep bodied and wide. The right type. Why not buy the best?
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Choice bred gilts or sows with good litters. Cream of one of Iowa's largest herds. Herman of Rosedale and Storm King. Blood mated to a top Master Key boar. Real values. Come and see them—don't write.
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I am offering 100 Hampshire bred sows for sale at private treaty. My sale got caught in the stormy weather and am offering them at private treaty. Don't write, come.
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Several good young fall boars ready for service. Also a few spring gilts bred for April farrow. All immune. Good individuals of good breeding. Write
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Bred gilts due to farrow soon. Immune. Price $40. Come or order now.
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Now offering a wide selection of bulls ranging from long yearlings to two year olds, sired by Iowa Ito and Junior Wonderful. Also bred cows and open heifers. Write or come and mention this paper.
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LIVESTOCK NOTES

The postponed Poland sale of Stanley Addy was held at Marcus, Iowa, March 17, and 37 head of bred sows were sold at an average of $59 per head. The top was a fall sow, No. 21, and she went to Robert C. Anacher, Comfrey, Minn., at $79. We list those selling for $50 and over: No. 1, Glen Kretzhoft, Marcus, Iowa, $55; 4, 6, 19, Wm. Kelhorn, Marcus, Iowa, $55, $60, $51; 10, 20, 15, John Wilcox, Marcus, Iowa, $58, $50, $50; 1, 29, R. C. Henry, Sheldon, Iowa, $59 each; 3, Harold Miller, Marcus, Iowa, $62; 9, 11, Earl Wirt, Parker, S. D., $51, $59; 22, Donald Simonds, $57; 27, A. Addy, Marcus, Iowa, $54; 30, Earl Johnson, Marcus, Iowa, $51; 32, Emil Braun, Merrill, Iowa, $50. Col. H. S. Duncan was the auctioneer in charge of the sale.

R. C. Henry, Sheldon, Iowa, held his postponed Poland sale on March 16, and sold 44 head of bred sows at an average of $61. It was one of the best sales of the season, and exceptionally good for a postponed sale. The top sow was No. 6, going to R. C. Anacher, Comfrey, Minn., at $100. Other sales follow: Nos. 1, 36, 17, August Mower, Lester, Iowa, $80, $53, $77.50; 13, Greenfield Farms, Tiffin, Ohio, $77.50; 37, Irvin Viborg, Rock Rapids, Iowa, $77.50; 40, T. J. Sturges, Sheldon, Iowa, $77.50; 45, Cliff Ayres, Le Mars, Iowa, $75; 41, David Hartung, Gaza, Iowa, $71; 7, M. Saxon, Worthington, Minn., $71; 11, John F. Smith, Sioux Falls, S. D., $71; 6, Will Bronskill, $62; 12, Tom Hechenese, Rock Rapids, Iowa, $63; 21, T. J. Sturges, $67; 32, Martens & Son, Rock Rapids, Iowa, $52.50; 26, Harry Garf, Rock Rapids, Iowa, $60; 35½, 39, Wm. Lamis, Sioux Falls, S. D., $62, $59; 42, Wm. Bronkill, $66. Others sold at from $45 to $60. About 40 fall pigs were also sold at good prices. Col. H. S. Duncan was the auctioneer.

The F. L. Jackson sale of Spotted Poland bred sows, held on February 25, at Yetter, Iowa, resulted in an average of $40 on 43 head. Mr. Jackson presented a splendid offering of sows mated to outstanding boars, which met with the approval of those present. The condition of the roads no doubt kept many away. Andrew Stewart, Valley Junction, Iowa, was the heaviest buyer, selecting several head for his farms at Valley Junction and Rockwell City. We list the folowing buyers, all from Iowa: C. E. Ringgenberg, Lytton; Walter Tinken, Humboldt; State Senator E. J. Nianlece, Estherville; Fred Swartz, Sac City; E. R. Latt, Jolley; Andrew Stewart, Valley Junction; Harry Heim, Auburn; Carl McPherson, Lohrville; H. E. Passow, Jolley; Ray Williams, Lytton; Harold Long, Lakeview; William Fowlie, Rockwell City; Geo. Allen, Lytton; Hugo Hansen, Audubon; Louis J. Kriese, Elkport; Albert Baumhover, Carroll; Geo. Abels, Knierim, and L. G. Wier, Estherville. From outside the state were Harry Munn, Yutan, Neb.; Carl Baie, Waterman, Ill.; Elsa Meyer, Arlington, Minn., and C. A. Cawood, of Ohio. Col. Chas. W. Taylor sold the offering in his usual pleasing manner.

The Iowa State Aberdeen Angus Association held its annual sale at the Fair Grounds, Des Moines, Iowa, March 17. The evening before the sale, the following officers were elected: President, Earl Canby, Winfield; vice-president, Boyd Weidlein, Webster City; secretary-treasurer, E. T. Davis, Iowa City. The top bull in the sale was Elleenmere H. 10th, from the Hoelscher herd, which sold for $210 to C. S. Reece, Simeon, Neb. Thirty-nine bulls made an average of $112, with 57 head making a general average of $105. W. H. Cooper was the auctioneer. A list of sales at $100 and over follows: Lots 1, 2, 3, Moss & Carr, Fayette, Mo., $115, $115, $120; 5, Henry Maybaum, Alden, Iowa, $120; 6, Moss & Carr, $105; 7, Tipling Bros., Fontanelle, Iowa, $135; 8, C. S. Reece, Simeon, Neb., $210; 9, Moss & Carr, $115; 10, L. H. Busselle, Chariton, Iowa, $100; 11, C. J. Brightwell, Alden, Iowa, $165; 13, Orville Hunter, Ogden, Iowa, $110; 14, Strathmore Farm, Webster City, Iowa, $100; 20, G. A. Cunningham, Lucas, Iowa, $105; 27, Moss & Carr, $100; 30, C. S. Reece, $135; 32, 33, Henry Maybaum, $125, $120; 35, L. H. Busselle, $155; 36, J. W. Moockey, Polk City, Iowa, $130; 37, Laurence Nason, Melbourne, Iowa, $130; 38, Arthur S. Wood, Yale, Iowa, $120; 40, E. M. Pitman, Pleasantville, Iowa, $105; 42, Orville Haxton, Dixon, Iowa, $135; 43, L. H. Busselle, $115; 44, Moss & Carr, $195; 45, Frank Dieringer, Hurdland, Mo., $120; 52, C. E. Kluger, Baxter, Iowa, $100; 54, Leo Heller, Milo, Iowa, $120; 55, C. J. Brightwell, $100; 56, V. G. Irwin, Baxter, Iowa, $120; 57, John R. Booth, Prairie City, Iowa, $140; 58, Orville Hunter, $175.

Frank J. Ruppert, Mallard, Iowa, breeder of registered Percheron horses, is now offering at private sale three head of stallions. One is a black coming four years old, sired by Juron Jr., who was first at the 1931 International as a four-year-old. This stallion is broke to work, has good feet and heavy bone and will make better than a ton horse. A certificate of soundness will be given with him. A black two-year-old out of a Carnot bred dam is a good, heavy boned, drafty colt and a five-year-old gray, broken to work and a good breeder. Mr. Ruppert has a number of colts by this stallion to show. If any of our readers are in the market for a stallion, they should go and see these at once. Kindly mention this paper when writing.

Any of our readers interested in Polled Hereford cattle should get in touch with Purcell Bros., Denison, Iowa. They are now offering a wide selection of bulls, ranging in age from long yearlings to two-year-olds. Some mighty good herd bull prospects will be found among these. They are sired by Junior Wonderful and Iowa Ito. Purcell Bros. are also offering some bred cows and open heifers. We suggest that you go and see these cattle at once.

The Hampshire sale of Harry Knabe and Ed Rennick & Sons, at Nehawka, Neb., on March 19, drew a nice crowd, and 42 head were sold at an average of $66.29. Harry Knabe sold 24 head at an average of $70.64; his top, which was the highest selling sow in the sale, was No. 11, going to Ed Morrissey, Valeria, Iowa, at $150. Ed Rennick's top was No. 28, going to Ike Wheeler, Nemaha, Neb., at $87. Ed Morissey also took No. 4 at $75; Ed Rennick took No. 1 at 80 and No. 13 at $82; No. 16 went to Gilbert L. Gardiner, Connersville, Ind., at $90, and No. 17 went to John J. Enslcher, Aledo, Ill., at $70. Others selling at $50 and above were as follows: Nos. 2, 7, 23, 31, 43, Mr. Jongblood, Arlington, Neb., $85, $69, $56, $55, $55; 22, 3, Dr. W. W. Warnock, Aledo, Ill., $70, $79; 5, 6, Art Wiles, Weeping Water, Neb., $70, $72.50; 8, Herbert Stall, Nehawka, Neb., $70; 9, Mervin Ageter, Seward, Neb., $68; 12, Dale Timmerman, Stella, Neb., $55; 14, Will Rupp, $71; 15, R. B. Stone, $52; 18, J. W. Pitzer, Glenwood, Iowa, $60; 19, Ross Minnehan, Waterman, Ill., $60; 20, Harry Wheeler, Howe, Neb., $50; 21, Claude McKelvie, $60; 22, Merl McKaig, Weeping Water, Neb., $54; 24, E. N. Russell, $50; 25, Big Four Farms, Brooklyn, Iowa, $68; 26, Harry Wheeler, $65; 27, E. Hupschilde, $50; 28, Ed Wheeler, Nemaha, Neb., $87; 29, Will Rupp, $71; 30, Harry Wheeler, $60; 32, Geo. Harris, Stella, Neb., $55; 34, Harry Knabe, $75; 35, Walt Beiggs, $64; 36, Lloyd Mehnke, Pierson, Iowa, $54; 37, Ernest Wilhoyte, Maryville, Mo., $52; 38, J. C. Quinn, $65; 41, Emmet Conway, Dakota City, Neb., $54; 20, Augove Bros., Sioux City, Iowa, $55; 44, Will McKaig, $50. Several extra sows were sold; also some good fall boar pigs. Col. Art Thompson was the auctioneer.

The postponed Shorthorn sale of Vernon D. Uehling, at Oakland, Neb., will be held on Thursday, April 16, and those who are looking for some good bargains are urged to attend. This is one of the very attractive sales of the spring season, and he certainly is selling a lot of good cattle. There will be 40 head of cows and heifers and 12 bulls of serviceable ages. This well known Uehlmar herd has been prominent in eastern Nebraska for the past 30 years, and a lot of high class cattle have been produced here. He is selling 20 of his very best cows, and these are selling with calves at side by his splendid herd bulls, that have done so much in the herd. Other cows will be well along in calf, and due early this spring. Another feature of his sale is the high class lot of heifers he is offering. Some of these heifers are bred and well along in calf, and some will sell open. These carry the very finest of breeding and are outstanding individuals. He also lists exceptionally good open heifers for those who want them to mate with their own herd bulls. Write Vernon D. Uehling, Oakland, Neb., for catalog, and please mention this paper. M. T. White will attend this sale and will look after any bids sent in his care.

The Fort Dodge Creamery Co., Fort Dodge, Iowa, is offering 50 head of good Hampshire bred sows at private treaty, and these sows are bred to this firm's grand champion boars. Remember, these animals must move at once, so if you want them, get busy and see them right away. Please mention this paper when writing or calling on the Fort Dodge Creamery Co.

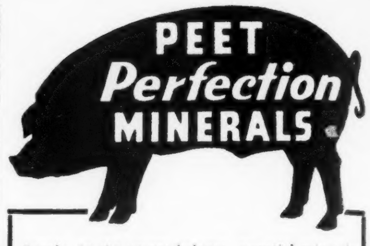
CLEAN AND OIL HARNESS

Farmers are reporting their harness dangerously rusted and weakened, due to tightly closed barns this winter, which have created a condition of acid dampness where harness has been stored.

The extremely long, cold spell, which made necessary the tight closing in of stock, has been responsible. Because leather has an open, porous structure, it is quickly rotted and weakened by the ammonia and other acids from the stock in a tightly closed barn. Old harness hardware rusts quickly under these conditions, and leather is weakened to a dangerous point.

Because of this fact, it is more necessary than ever this year that your harness be carefully examined, repaired and thoroly oiled before spring plowing.

Any good neatsfoot oil compound will seal the open pores in the leather and give it renewed pliability and strength. For a thoro oiling job, the harness should be taken apart and carefully cleaned. All weak parts should be replaced or repaired before oiling. The heavy parts, such as breeching, traces and hame tugs, should be soaked a longer time. After oiling, dry the harness slowly in a warm room.



Supply, in the proper balance, essential minerals and other ingredients so valuable for quick profitable growth. Tone the system; save many times their cost in feed alone; help guard against worms, scours and many costly diseases. Wonderful for brood sows. Thousands use Peet's supplemental mineral feeds. For all livestock and poultry. Find out all about these proven products. Valuable literature free. Write to
E. M. Peet Mfg. Co., Council Bluffs, Iowa

BUILD YOUR OWN

low speed wind charger from old automobile generator. We show you how. Make money building for others. Light your buildings and play radio. Dime brings complete plans and catalog, twenty other generator changes. Satisfaction guaranteed or dime refunded.
LE JAY MANUFACTURING CO.
1437 W. Lake St., Minneapolis, Minn.

Hereford Sale

At Forrest Main Farm, ½ mile south of Moravia, Iowa, on Highway Number 60.

Wed., April 15, 1936

60 Cattle: 20 registered cows and heifers, strong Anxiety blood, with calves and calving by Domino's Image, grandson of Domino. Ten quality bulls, registered, 9 to 15 months old; two herd sires of Domino and Woodford breeding, low down, blocky type.

Forrest Main, Moravia, Iowa
Col. Guy Petitt, Bloomfield, Iowa, Auctioneer

SPOTTED POLAND BRED SOWS

At private sale bred sows weighing 350 to 400 lbs. and better due to farrow in March and April. Also sows with litters. Most popular bloodlines of the breed. A wide selection of fall boar pigs. Attractive prices if moved soon.
F. L. JACKSON YETTER, IOWA

WANTED

Jobs on large stock farms for Animal Husbandry students, work with purebred herds especially desirable.

FOR SALE

Bruce Domino 18th 1850920, head of the college Hereford herd for the past three years. Excellent type and breeding.

Iowa State College

Animal Husbandry Dept. Ames, Iowa

MILKING SHORTHORNS

BREEDER of Milking Shorthorns for over 40 years, the choicest American and Clay and Bates and imported breeding with excellent milking ancestry. A choice line of bulls from 2 to 16 months old. Prices reasonable. Also White Collie puppies. Founder of the Peerless Herd.
JOHN LOGSDON DECORAH, IOWA

Wapsie Milking Shorthorns

Founded on the best Bates blood. Real dual purpose. Cattle from an old established herd. Ad tols. Choice bulls from one to 13 months old.
E. G. HEALY R. 3 MUSCATINE IOWA

STOCKER AND FEEDER CATTLE

Herefords and Shorthorns

150 Hereford calves, weight 450; 95 Shorthorn calves, weight 425; 160 yearlings, weight 750; 20 springing heifers; 40 springing cows.
Van Channell Telephone 15 Smithville, Mo.

HORSES AND JACKS

PERCHERON STALLIONS

Now offering at private sale three head of stallions at attractive prices. A black four-year-old by Juron Jr., first at 1931 International as a four-year-old. A black two-year-old from a Carnot bred dam. A gray five-year-old, good breeder, broke to work. See these at once.
FRANK J. RUPPERT MALLARD, IOWA

FARCEUR BELGIANS

STALLIONS AND MARES FOR SALE. Oakdale Farceur, the greatest breeding son of Farceur, heads our stud. Our Belgians are noted for their quality, size and substance. Visitors welcome.
C. G. GOOD & SON OGDEN, IOWA

BELGIAN STALLIONS

Twenty head of sorrel and strawberry roan Belgian stallions for sale, two, three and four-year-olds weighing 1600 to heavier than a ton. We can please you with the horse and with the price.
FRED CHANDLER CHARITON, IOWA

BARBER'S BELGIANS

If you want Belgians come and see me. Will fill your order for anything in the Belgian line and to your satisfaction. Mention this paper. Address
B. F. BARBER FONDA, IOWA

High Class Percheron Stallions

I am now offering 25 head of the best Percheron stallions to be found in the state of Iowa. From 2 to 6 years old. All descendants of the greatest prize winners. Write or come and see them.
E. L. HUMBERT CORNING, IOWA

JACKS

Imported Spanish and Kentucky Mammoth. Black with white points. 14½ to 15½ hands, as large and fine as they grow.
THE COOK FARMS LEXINGTON, KY.
Box W. Office 523 West Third St.

LIVESTOCK AUCTIONEERS

A.W. THOMPSON

LIVESTOCK AUCTIONEER
Selling for the leading breeders of America. Write early for dates.
2300 HARWOOD ST. LINCOLN, NEBR.

Please mention this paper when writing.

Future Livestock Sales

ABERDEEN ANGUS

Mar. 30—Duchess County Aberdeen Angus Breeders Assn., at Bethel Farm, Inc., Pine Plains, N. Y.; Frank Richards, Mgr.

Apr. 2—M. H. Donohoe & Son, Parnell, Iowa.

Apr. 9—John Burns and Others, Oxford, Iowa.

Apr. 27—Interstate Angus Breeders Sale, Sioux City, Iowa; E. T. Davis, Sale Mgr., Iowa City, Iowa.

Apr. 29—Iowa Breeders Sale, Des Moines, Iowa; E. T. Davis, Sale Mgr., Iowa City, Iowa.

May 11—Krotz Stock Farms, Odell, Neb.

June 1-2—Strathmore Farm, Webster City, Iowa.

June 8—Congdon & Battles, Maquoketa, Iowa.

GUERNSEYS

Apr. 21—Iowa-Wisconsin Guernsey Sale, Independence, Iowa; Arthur A. Satterlee, Sale Director.

HEREFORDS

Apr. 17—Forrest Main, Moravia, Iowa.

SHORTHORNS

Apr. 1—Tri-State Shorthorn Breeders Assn., Lena, Ill.; Hal Longley, Sale Mgr., 37 Island Ave., Aurora, Ill.

Apr. 3—George Allen & Sons, Lexington, Neb.; sale at South Omaha.

Apr. 6—Shorthorn Breeders Sale, Marshalltown, Iowa; Geo. H. Lewis, Mgr.

Apr. 8—Missouri Shorthorn Breeders Association Sale, Columbia, Mo.; James E. Comfort, Secy.

Apr. 16—Vern D. Uehling, Oakland, Neb.

Apr. 16—Illinois Shorthorn Breeders Sale, Galesburg, Ill.; Hal Longley, Sale Mgr., 37 Island Ave., Aurora, Ill.

Apr. 23—Albert J. Stenvers, Hooper, Neb.

Apr. 24—Northeast Missouri Shorthorn Breeders Assn., Kahoka, Mo.; Walter Miller, Mgr., Granger, Mo.

May 25—Interstate Shorthorn Breeders Sale, at Sioux City, Iowa; M. W. Smith, Mgr., Paullina, Iowa.

June 8—Edellyn Farms, Wilson, Ill.

June 9—T. Dorsey Jones, Shelbyville, Ind., and Earl E. Robbins, Greensburg, Ind.

June 15—Iowa Shorthorn Breeders Sale, Webster City, Iowa; Will Johnson, Mgr., 5709 Sixth Ave., Sioux City, Iowa.

Livestock News

The Oscar D. Larson Poland sale, at Clarion, Iowa, March 6, resulted in a very satisfactory sale, when 35 lots averaged $71. There was a good demand for sows bred to Mr. Larson's great herd boar, Prestige. Lot 6 topped the sale at $115, going on order to Seminole Farms. Andrew Holmes, Ames, Iowa, paid $112.50 for a choice daughter of The Messenger. The auctioneer was H. S. Duncan. We list those selling for $75 and over: Lot A, Lawrence Larson, Clarion, Iowa, $79; B, Ben Van Horn, Dumont, Iowa, $90; D, Everett Sheets, Britt, Iowa, $76; 4, Henry Rosebrook & Son, Hampton, Iowa, $76; 5, Andrew Holmes, $112.50; 6, Seminole Farm, Donaldsonville, Ga., $115; 12, W. S. Anton, Dumont, Iowa, $72; 15, Lou Nettleton, Greene, Iowa, $79; 17, O. E. Sheldon, Thor, Iowa, $100; 34, Henry Bergmann & Son, $92.50; 35, Emmett Bros., Sac City, Iowa, $77.50.

The Missouri Shorthorn Breeders Association will hold its annual show and sale at the University Farm, Columbia, Mo., Wednesday, April 8. For this event they have consigned from the leading breeders 29 attractive young bulls and 36 desirable females. All are sired by good bulls and represent well known pedigrees rich in Scotch breeding. It is a sale you will want to attend. The catalog is ready for mailing and will be sent free to those who apply, mentioning this publication. Address James E. Comfort, Sale Manager, 232 Mumford Hall, Columbia, Mo.

The Central States Shorthorn Sale, at Webster City, Iowa, March 9, under the management of Will Johnson, drew a very good attendance and cattle went to buyers in six states—Iowa, Wisconsin, Minnesota, Illinois, Missouri and Texas. One of the top bulls was Claymore Model, consigned by Clem. Larson, selling for $325 to Anderson Stock Farm, Stanton, Iowa. The choice red bull, Holfred Bondsman from the F. W. Hubbell herd, found a home to go to Olaf Dovre, Minneota, Minn., at $325. Dr. J. C. Manning, Skidmore, Mo., made a splendid selection in the roan bull, Edellyn Comet, for which he paid $250. The roan bull, Edellyn [illegible], was selected by J. L. Reece, New Providence, Iowa, at $200. Dewar Bros. furnished a desirable entry in Rosewood [illegible] which was bought by Lou Nettleton, Greene, Iowa, at $230. Fifty bulls averaged $140 each, with 30 females—among which were several heifers—averaging $120.50 each, and the 80 lots making a general average of $132.50. We follow with a list of those selling for $100 and over: Bulls—Lot 2, Fred Gugisburg, Oakfield, Iowa, $125; 3, 4, 5, Geo. Beggs, Ft. Worth, Texas, $125, $125, $145; 6, Otto Pingnitz, Klemme, Iowa, $200; 8, Ernest Wetzel, Boone, Iowa, $100; 9, Ed Becker, Kanawha, Iowa, $100; 10, Dr. J. C. Manning, Skidmore, Mo., $250; 11, L. C. Ross, Parnassville, Iowa, $160; 12, Geo. Beggs, $[illegible]; 13, J. L. Reece, New Providence, Iowa, $200; 15, Schuerman & Owens, Washington, Iowa, $125; 16, Frank Lankelma, Aplington, Iowa, $110; 17, Ernest Wetzel, $100; 18, Joe Faint, Aplington, Iowa, $110; 20, A. H. Chapman, Clarion, Iowa, $135; 21, H. C. Whisler, Colo, Iowa, $130; 22, 23, 27, Geo. Beggs, $160, $125, $130; 28, Chas. Tollefson, Clarion, Iowa, $100; 29, E. J. Christensen, Calamus, Iowa, $150; 31, Frank Conrad, Rockwell City, Iowa, $125; 32, Walter Bergerson, Ellsworth, Iowa, $140; 33, Akin Muench, Ogden, Iowa, $107.50; 35, 36, Maytag-Zirbel, Newton, Iowa, $100, $125; 37, A. H. Blansham, Gilbert, Iowa, $150; 42, Monson Bros., Blue Earth, Minn., $170; 43, Olof Dovre, Minneota, Minn., $325; 46, Lou Nettleton, Greene, Iowa, $230; 54, C. H. Wheeler, Yetter, Iowa, $105; 56, Geo. Beggs, $130; 58, R. H. Butler, Malta, Ill., $195; 60, Anderson Stock Farm, Stanton, Iowa, $325; 62, Chas. Denby, Jordan, Iowa, $170; 63, D. D. Staveley, Traer, Iowa, $150. Females—Lot 74, Henry Hill, Williams, Iowa, $125; 75, Holm Bros., Corwith, Iowa, $115; 76, Penningroth Bros., Wellman, Iowa, $155; 78, Walter Bergerson, $130; 79, Harvey M. Lawton, Cooper, Iowa, $125; 80, 82, F. W. Harding, Jr., Waukesha, Wis., $145, $105; 83, Carl Henkel, Mason City, Iowa, $125; 84, V. W. McCart, Hampton, Iowa, $130; 85, Chas. Ewold, Waldorf, Minn., $155; 88, Otto Hanson, $130; 90, Chas. Ewold, $120; 91, C. E. Faulkes, Mitchellville, Iowa, $115; 92, Matern Bros., Wesley, Iowa, $120; 95, Wm. Weibke, Greene, Iowa, $165; 97, Henry Hill, $120; 98, Lester Iverson, Ellsworth, Iowa, $105; 100, Walter Bergerson, $115; 102, 105, Otto Hanson, $140, $135; 106, Harvey M. Lawton, $125; 108, Penningroth Bros., $145.

The Hopley Stock Farm, Atlantic, Iowa, is offering some of the greatest imported Belgian stallions and mares that have ever been brought to this country. They have 10 of the grandest stallions that have ever come out of Belgium, and they have about 30 of the greatest mares that this country has ever seen. If you are interested in buying some good Belgian stallions or mares, do not fail to go and see these animals. Please mention this paper when writing to the above firm.

The A. J. Stenvers Shorthorn sale has been postponed till April 23, and will be held in town, at Hooper, Neb. Mr. Stenvers is selling some exceptionally well bred Scotch Shorthorns, and of the very choicest families. Included will be 12 head of Marr Mauds, descended from that noted cow, Maud 55th, by Scotch Bank, bred by Shellenbarger. There will be 35 head of females and three good young bulls. Write Mr. Stanvers and ask him to send you a catalog. Please mention this paper when asking for it.

The annual spring Shorthorn sale at Marshalltown, Iowa, April 6, is one that should attract the attention of the best cattle men of central Iowa. The list of leading breeders who have consigned cattle to this great auction was given in the announcement in our March 14 issue. There are 50 bulls cataloged, among which will be found many suitable for herd bull material. They range in age from 10 to 22 months. There are 30 most desirable, well bred females listed. Several will sell with calves at side by top herd sires; others are forward in calf, and a number are attractive open heifers. The bloodlines include such sires as Collynie Clipper Crest, Oakdale Stanmore, twice International champion, and Browndale Count. The families are Augustas, Rosewoods, Clippers and many other leading tribes. The catalog is ready for mailing and will be sent free to those who apply, mentioning this publication. Address, Geo. H. Lewis, Route 1, Marshalltown, Iowa.

G. G. Healy, Route 3, Muscatine, Iowa, breeder of Bates bred Milking Shorthorns, has one of the oldest herds of the breed producing high class Bates bred Milking Shorthorns. They are genuine dual-purpose cattle, and the entire herd is dark red in color. Mr. Healy is pricing some splendid young bulls at reasonable figures; they will please critical buyers. Write him at once, and when writing please mention this publication.

A very good crowd attended the Illinois Angus Breeders Sale, at Springfield, Ill., March 12, under the able management of E. E. Irwin. Senator S. E. Lantz sold the top bull in Lot 20, which brought $275, and went to A. D. Bradshaw. The 37 bulls, including several very young ones, averaged $130, with 33 females, several of which were young open heifers, averaging $105, and the 70 lots making a general average of $118. Auctioneers were W. H. Cooper, A. D. Bradshaw and L. Gaule. We list those selling for $100 and over: Lot 1, A. D. Bradshaw, Smithshire, Ill., $230; 2, A. Stubblefield, McLean, Ill., $155; 3, A. Kloppenberg, Springfield, Ill., $110; 4, Elmer Quinn, Henry, Ill., $225; 5, Conlin Bros., Arthur, Ill., $150; 6, Sylvester Holtz, Chrisman, Ill., $195; 8, E. C. Pritchett, Frankford, Mo., $140; 9, Becker Bros., Jacksonville, Ill., $110; 10, Ed Schwarm, Loogotee, Ill., $140; 11, Becker Bros., $112.50; 12, M. Garity, Augusta, Ill., $100; 14, Forest Lemons, Congersville, Ill., $137.50; 20, A. D. Bradshaw, $275; 21, Harold Lucie, Augusta, Ill., $230; 23, A. D. Bradshaw, $135; 24, Elmer Quinn, $165; 25, A. D. Bradshaw, $150; 26, E. Reynolds, Harrisburg, Ill., $130; 27, Glen Schrock, Goodfield, Ill., $150; 28, A. D. Bradshaw, $260; 29, Forest Lemons, $150; 30, Glen Schrock, $140; 31, V. C. Swigert, Clinton, Ill., $152.50; 32, Wm. E. Fairburn, Waverly, Ill., $155; 33, Bellville Farm, Paris, Ill., $110; 34, V. C. Swigert, $100; 35, E. C. Pritchett, $135; 36, Frank Gabbett, Emden, Ill., $115; 50, Ralph Fritz, Jerseyville, Ill., $225; 62, Orville Helms, Bellville, Ill., $190; 63, Geo. Titus, Sullivan, Ill., $130; 65, Joe Kriege, Edwardsville, Ill., $105; 69, W. Z. Black, Champaign, Ill., $100; 70, Becker Bros., $100; 71, 78, A. D. Bradshaw, $100, $210; 22A, Phillip Hagerman, Trenton, Ill., $240.

UEHLAMAR FARM SHORTHORNS

12 Bulls-40 Females

OAKLAND, NEBRASKA

Thursday, April 16th

A WONDERFUL LINE OF BREEDING IN MY SALE

- Rosewoods
- Clippers
- Augustas
- Golden Chains
- Claras
- Missies
- Orange Blossoms
- Lady Fragrants
- Bells of Ordens
- Mayflowers

THE VERY CREAM IN HIGH CLASS PEDIGREES

I am selling 12 good bulls in this sale. These are from 9 months to 18 months in age, mostly sired by **Dreadnaught Majestic.** A number of these are out of dams by my other great bull, **Sni-A-Bar Giltspur.** These are out of Clipper, Orange Blossom, Augusta and Clara cows, some of which are among the greatest cows in my herd.

I am also selling 20 head of cows in this sale, the best I have ever listed for a public auction, and the best that will be sold in all this western country this year. These twenty cows will sell with calves at foot by one of my great breeding bulls, and others will be well along in calf.

As a special attraction I am also selling some wonderful heifers, the very cream of my herd. These have the most popular pedigrees, are all great individuals, and are bred to one of my herd bulls. There is nothing like these selling this spring. You will certainly find good foundation material in these well bred heifers. Then I am offering some outstanding open heifers for those who have good herd bulls at home.

This offering will in every way measure up to anything selling this year. Write for my catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Bids sent to M. T. White, in care of Mr. Uehling, will be taken care of on day of sale. When asking for it address

VERNON D. UEHLING, Oakland, Neb.

Col. A. W. Thompson, Auctioneer. M. T. White, Fieldman.

Angus Breeders Sale

JOHN BURNS Oxford — **P. J. DONOHOE** Holbrook

DAN CASH Mt. Pleasant — **EASTSIDE FARM** Hedrick

(Sale at Oxford Pavilion, Located 15 Miles West of Iowa City on Paved Highway No. 6)

OXFORD, IOWA, THURSDAY, APRIL 9, 1936

50 Head
- 10 Top Young Bulls Ready for Service
- 10 Cows and Calves by Good Sires
- 30 Richly-bred Young Cows and Heifers

This is a draft of richly-bred Angus cattle drawn from four leading herds and includes a class of cattle that will appeal to our best cattlemen. They are sired by some of the best sires known to the breed and the families include **McHenry Blackcaps, Elba Ericas, Enchantress Ericas,** and **Eisa Ericas**—None better. This is a sale you will want to attend. The catalog is ready for mailing and sent **FREE.** Ask for it, mentioning this publication.

E. T. DAVIS, Sale Manager - - IOWA CITY, IOWA

Auctioneer, W. H. Cooper J. E. Halsey, Fieldman

MISSOURI SHORTHORN BREEDERS ASSOCIATION SHOW and SALE

(Live Stock Pavilion University Farm)

Columbia, Missouri, Wednesday, April 8, 1936

65 LOTS
- 29 BULLS Suitable for Herd Bulls
- 36 FEMALES Desirable for Foundation Use

This is a most desirable lot of well bred cattle consigned by the leading breeders in Missouri. They are sired by high-class herd sires and rich in pedigree. All cattle Bang and Tuberculin Tested. You should plan to attend this sale. Ask for FREE catalog, please mention this publication when writing. Address

JAMES E. COMFORT, Sale Mgr., 232 Mumford Hall, Columbia, Mo.

Scotch Shorthorns AT AUCTION

Richest Ancestry - Outstanding Individuality

Illinois Shorthorn Breeders' Annual Sale
to be held at C. B. & Q. Stockyards

GALESBURG, ILLINOIS, THURSDAY, APRIL 16, 1936

45 HEAD—Consigned from strong herds and representing the most prepotent blood of the breed. 23 bulls of real herd heading type. 22 richly bred foundation females. The offering includes four of the best Polled Shorthorn bulls that will be offered anywhere this year.

Note the strong herds from which these cattle are drawn:

Bowers & McCoy, Elmwood, Ill.	Jos. Miller's Sons, Granger, Mo.
Ben W. Lake, Fancy Prairie, Ill.	J. Kardel & Son, Walcott, Ia.
Leslie Farms, Pekin, Ill.	Thos. H. Joyce & Son, Keokuk, Ia.
Dr. O. P. Bennett, Washington, Ill.	G. H. Schuerman, Mt. Pleasant, Ia.
Arnold Bros., Sterling, Ill.	Chas. H. Woodroffe, Ft. Madison, Ia.
Chas. E. Barber & Son, Walnut, Ill.	Evergreen Farm, Columbus Jct., Ia.
Marshall Boyle, Hennepin, Ill.	Kirk G. Phelps & Son, Monmouth, Ill.

Walter E. Price, Galesburg, Ill.

As an indication of the rich blood lines represented in this offering, we list herewith some of the strong Scotch families that are represented: Rosewood, Augusta, Gipsy Maid, Duchess of Gloster, Secret, Bessie, Broadhooks, Killbean Beauty, Bridal Day, Missie, Goldie, Alexandrina, Marigold, Nonpareil, Acanthus, Violet, Rosemary, Village Maid.

You can buy the right kind of a herd bull and the right kind of foundation females at Galesburg on April 16th. The annual Galesburg sales have always been the source of supply for profitable Shorthorns. Plan now to attend.

Don't fail to write for this catalog. Kindly address catalog inquiries to

HAL LONGLEY, Sale Manager, 37 Island Ave., AURORA, ILLINOIS

Auctioneer—Carey M. Jones J. E. Halsey, Fieldman

OUR READERS MARKET

The Place to Buy What You Want and Sell What You Have

Rates and Information

Our classified advertising rate, **without display type or illustration,** is 15 cents a word per insertion, for one, two or three insertions; 12 cents a word per insertion where same ad runs four or more consecutive times. **Send full remittance with each order. If advertisement contains less than 14 words, remittance should be for $2.10 for each insertion.**

Count each whole number, initial and sign as a word. Count your name and address as part of the ad. Thus, "F. L. Wires" is counted as three words, "226 West 21st St." is counted as four words, and "Des Moines, Iowa," is counted as two. "$1" and "$5,432,000" are each counted as one word.

"C. O. D." counts as three words, "R. F. D. 4" counts as four words, "R. 4" as two. **Ads must reach us by Wednesday noon, ten days before issue date.**

If you have not advertised with us recently, be sure to give two references. This is for your own protection. One should be your banker and the other some responsible business man. To avoid delay, send letters of recommendation with your order. Write or print your ad plainly.

For your convenience in figuring, the following table gives the cost of most desirable advertisements for various insertions:

Words	Number of Insertions 1	2	3	4	6
14	$ 2.10	$ 4.20	$ 6.30	$ 6.72	$10.08
21	3.15	6.30	9.45	10.08	15.12
28	4.20	8.40	12.60	13.44	20.16
35	5.25	10.50	15.75	16.80	25.20
42	6.30	12.60	18.90	20.16	30.24
49	7.35	14.70	22.05	23.52	35.28
56	8.40	16.80	25.20	26.88	40.32

AUCTIONEERS

BE AN AUCTIONEER. EARN $25 TO $100 per day. Send for large illustrated catalogue. Also how to receive Home Study Course Free. Reppert Auction School, Box 8, Decatur, Indiana.

EARN $10-$100 DAY AUCTIONEERING. Acquire Home Study free. Write American Auction College, Austin, Minnesota, or Kansas City, Missouri.

COMMISSION HOUSES

ARMOUR AND COMPANY, DEPT. D, 823 Fulton St., Chicago. Live and Dressed Poultry—Eggs—Veal. Immediate returns—highest prices. Write for tags—bulletins—free booklet on dressing, packing, shipping.

YOUR BROILERS AND OTHER POULTRY, also eggs and veal, will bring you more money when shipped to Karsten & Sons. We have been getting top prices for our customers for fifty years. Check mailed same day shipment arrives. Market reports free. Karsten & Sons, Dept. 11-C, 1100 Fulton Market, Chicago.

WANTED — LIVE AND DRESSED POULTRY and veal. Highest possible prices paid. Write for information and tags. **Drake & Bonfield, 940 Fulton St., Chicago.**

WHOLESALE BUYERS

WE NEED LIVE POULTRY, ALL VARIETIES. Ship direct. It pays. Top prices. Wholesale buyers. Checks mailed day shipment arrives, less regular 5 per cent cash discount. Leading dealers in country dressed poultry and veal. Write us. D. L. Henman Company, 127 South Water Market, Chicago.

DOGS AND PET STOCK

GENUINE ENGLISH SHEPHERD PUPS—farm raised—from unkenneled parents. Heelers—(no fooling). Males—females—spayed females a specialty. Year's trial—training instructions—guaranteed. Several partly trained. Collies and Shepherds. Emil Runft, Reinbeck, Iowa.

GENUINE ENGLISH SHEPHERD PUPS—FARM raised—guaranteed heelers. Years trial—training instructions. Males—females—spayed females. We claim they are the best working strain in United States. Reduced prices. Highview Kennels, Cedar Falls, Iowa.

MALE COON HOUND — FOUR YEARS OLD, large size, wide hunter, open trailer, good voice, true, solid tree barker, absolutely fox, rabbit, deer, stock proof. $15—Thirty days trial. Leon Wilkerson, Murray, Kentucky.

WANTED—NEWFOUNDLAND, ST. BERNARD, Rat Terrier and Police puppies. Send full description and details in first letter. Tilmer Thompson, Elmore, Minnesota.

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10c BUYS TRAINING INSTRUCTIONS TO help make real stock dogs (Heelers). Dog Trainer, Reinbeck, Iowa.

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DIESEL IS THE FASTEST GROWING INDUSTRY in the world today. Diesel Power increased 50 per cent in 1935 over 1934. Is it worth a postal card to find out what this field may hold for you in 1936? Send today for free "Diesel News," containing amazing facts and pictures. Hemphill Diesel Schools. America's Largest and Oldest Exclusive Diesel Training Organization, 2028 Larrabee Street, Chicago.

DIESEL OPERATORS SHORT COURSE, $35. New Diesel engines. Training includes operation of Caterpillar tractor. Also Aviation Home Study and Practical Mechanical course. Flight training. Also combination Home Study and Practical Diesel engineering course. Write American Technical Institute, Box 59, Airport, Des Moines, Iowa.

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DO NOT REMAIN A TENANT ALWAYS. BUY a farm now while rare bargains are available. Ask for our list of Minnesota, North and South Dakota offers. John D. Larson, 115 South 4th St., Minneapolis, Minnesota.

WESTERN CANADIAN FARMS CAN NOW BE purchased at greatly reduced prices, long easy terms. Canadian Pacific Railway, 307 Union Station, St. Paul, Minnesota.

CENTRAL MINNESOTA LANDS! FREE LIST. Murray's Land Office. (Established 1880.) Wadena, Minnesota.

FARM LANDS

READ! The sales division of "RURAL CREDIT" (*a department of the government of the State of Minnesota which is now being liquidated*) has been ordered to sell not less than 1,200 State owned farms during 1936. Prices adjusted to present values; attractive discount for large cash first payments; practical purchase contracts; no commission to pay. Free field service to buyers. For lists address,

Dept. of Rural Credit, Sales Division
Dept. V, State Office Building, St. Paul, Minn.

LOOK AHEAD—BUY A FARM. IF YOU ARE seeking a secure investment or want a good job where you can be your own boss—you will find it through the purchase of a farm. Our farms are still on sale at less than pre-war prices. Farm incomes are higher. You can be sure that land values are going up soon. It is your opportunity. We have many bargains in Iowa, Nebraska, South Dakota and Wyoming. Terms are very reasonable. As low as one-tenth down and 25 years to retire balance. No trades. The Federal Land Bank of Omaha, Department "C," Omaha, Nebraska.

WRITE FOR FOLDER DESCRIBING THE Great Willamette Valley of Oregon. Ideal homeland. Fertile soil and abundant water supply insure bumper crops of grains, grasses, fruits, berries, nuts, vegetables. Mild winters, cool summers, long growing seasons. Ideal for dairying, stock breeding, poultry raising. No cyclones, dust storms. Unexcelled schools, highways. Get folder. Plan to visit this land of opportunity. Greater Willamette Valley Assn., Box 101-D, Albany, Oregon.

FULLY EQUIPPED 74-ACRE DIVERSIFIED farm, includes 5 cows, 10 hogs, team, 100 poultry, some tools, house furnishings; improved road, only ½ mile canning factory, nice dairy pasture and hog range, 30 peaches, 10 apples; neat house, 2 roomy barns, hog and poultry buildings; $1,500, only $625 cash. Free monthly catalog. United Farm Agency, WF-428 B. M. A. Bldg., Kansas City, Missouri.

DO YOU WANT A HOME AMONG AMERICAN people, beautifully forested hills, lakes, rivers, fish, game, highways, schools, markets, wood, pure water, 4 railroads, mild climate, ample rainfall, level fertile valleys, cutover land that pays to clear? Price $1 to $15. 11 years at 6 per cent. Descriptive maps. Humbird Lumber Company, Box C, Sandpoint, Idaho.

NEW OPPORTUNITY! FARM INCOME IS UP. Good land still at rock bottom prices. Washington, Montana, Minnesota, Idaho, North Dakota, Oregon. Ask about extensive Northwest developments under construction. Literature, impartial advice. Specify state. J. W. Haw, 34 Northern Pacific Railway, St. Paul, Minnesota.

AMPLE RAIN FALL, WELL DISTRIBUTED, in Central South. Abundant grazing and feed crops. Good general farming and early truck region. Write E. J. Hoddy, General Development Agent, Dept. D-8, Louisville & Nashville Railroad Company, Louisville, Kentucky, for free copy "The Southland."

GET A FARM ON THE SOO LINE IN NORTH Dakota or northern Minnesota. Conditions never better to buy good land at prices that will never be lower. Crop payment plan or easy terms. Say which state interested in. Ask about reduced rates. Send for information to R. S. Claar, No. 9, Soo Line Ry. Company, Minneapolis, Minnesota.

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TO VETERANS. YOU CAN BUY 40 ACRES good land, Carlton and Aitkin Counties, Minnesota as low as $4 per acre. Send for free folder. Winona & St. Peter Land Company, 360 Robert Street, St. Paul, Minnesota.

THE GREAT NORTHERN SERVES AN AGRIcultural empire of fertile productive farms where rents, prices and operating costs are low, in Minnesota, North Dakota, Montana, Idaho, Washington and Oregon. Write for free book and full information.—E. C. Leedy, Dept. 307, Great Northern Railway, St. Paul, Minnesota.

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"SPADELUGS" INCREASE DRAW-BAR 50 PER cent by stopping Rear Wheel Slippage. Made only for McCormick-Deering F-12, F-20 with 6" wheels. Savings in fuel and time pay cost. Write for Special Offer and Money Back Guarantee. Local agents wanted. Wells Tractor Lug Co., Des Moines, Iowa.

FORDSON PARTS ALWAYS AVAILABLE AT low prices. Complete stock of genuine Ford made tenants—parts. Get your Fordson in shape early. See your dealer or write for 1935 price list. Farm Tractor & Equipment Company, Authorized Distributors, 1012 Mulberry Street, Des Moines, Iowa; 1515 Cuming Street, Omaha, Nebraska.

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CLEARANCE, 100 GENERATORS, 500 WATT, 110 volt, alternating, $22.50. 1,000 watt, direct current, $19.50. Many other generators, motors. Electrical Surplus Company, 1885 Milwaukee Avenue, Chicago.

SAVE MONEY ON TRACTOR LUGS, PULLEYS, flywheels, all other tractor parts. Brand new. Average saving 50 per cent. Satisfaction guaranteed. Write for 48 page free catalog. Irving's Tractor Lug Company, Galesburg, Illinois.

USED TRACTOR PARTS AT LOW PRICES. World's largest wreckers; 22 acres tractors, trucks, cars. Also, will buy all makes tractors. Write, wire, phone. Elmwood Auto Wrecking Co., Inc., Galesburg, Illinois.

AHART HOMEBUILT FOLDING HARROW drawbar has everything. Horse or tractor. Low cost. Easily made. Complete plans, $1, postpaid. Ahart Agricultural Engineering Service, Dow City, Iowa.

BEFORE YOU PURCHASE THAT CREAM separator get our new low prices on the Anker-Holth and reconditioned machines. Northwest Anker-Holth Company, Box 7, Mankato, Minnesota.

STANDARD DUST SMUT TREATERS ARE THE best for treating either grain or corn for smut. Write for catalog and prices. Standard Fanning Mill Company, Minneapolis, Minnesota.

4 PORTABLE MILLS, 12 TRACTORS, 3 CORN shellers, 26 shredders, 8 threshers, 5 silo fillers, 1 stone pulverizer, 1 Hinman milker, 4 clover hullers, etc. Mielke, New Hampton, Iowa.

FARM ELEVATORS—EASY PULLING PORTable and inside cup. Write to the G & D. Manufacturing Company, Streator, Illinois, Dept. W, for free booklet and crib plans.

USED TRACTOR PARTS OF MANY MAKES and models at reasonable prices. We also buy your old tractors. Write, call. The Central Tractor and Auto Wrecking Company, Boone, Iowa.

TRACTOR BEARINGS AND PARTS. ALL makes. Also Delco Parts. Write for low prices. Republic Electric Company, Davenport, Iowa.

WENZELMANN CUP AND PORTABLE ELEvators. Test by test for more than 35 years. Wenzelmann Factories, Galesburg, Illinois.

EXTRA GOOD 15x30 McCORMICK DEERING tractor $400. Case 15x27 tractor $200. Forward Machinery Company, Red Oak, Iowa.

HAMMER GRINDER SCREENS—ANY MAKE. Low prices—quick shipment. Write York Foundry, York, Nebraska.

BULL DOG DISC JOINTER FOR TRASH. CYLinder corn shellers. Mullins-Gilson Mfg. Company, Rushville, Indiana.

TWO ROW CULTIVATOR FOR MOLINE "D" tractor, never used, bargain. Clark Brothers, Albia, Iowa.

HELP WANTED

MALE

GET U. S. GOVERNMEAT JOB. START $105-$175 month. Men-Women, age 18-50. Short hours, annual vacation with pay. Are you eligible for qualifying test? Get our Questionnaire—find out. No obligations whatever. Write for free copy today. Instruction Service, Dept. 384, St. Louis, Missouri.

WALLACES' FARMER AND IOWA HOMEstead has openings for several men with sales ability who will work hard for a good income. A car is necessary to carry on this work. Write—Circulation Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

MANUFACTURERS OF OLD ESTABLISHED line of hog and poultry remedies offer attractive proposition to representative for this territory. Good financial returns. Best season just starting. Write, 719 Grant Ave., York, Nebraska.

MEN — LEARN BARBERING. LABOR LAW now regulates prices and wages. Best in years. Good demand from small towns as well as cities. Write Moler College, 59 East Monroe Street, Chicago.

WANTED: SALESMEN TO SELL FARM TRACtor tires. Write Box 70, Wallaces' Farmer and Iowa Homestead.

PROFIT GATHERING ROOTS, HERBS, FLOWers, evergreens. Details 10c. M. Merritt, 1752 Nicholson, St. Louis.

FEMALE

LADIES—LEARN BEAUTY CULTURE. THIRD largest industry in this country. Many calls from small towns as well as cities for our graduates. Can earn living while learning. Write Moler System, 59 East Monroe Street, Chicago.

MOTHERS—SPECIAL WORK. UP TO $22 A week. No house-to-house, experience or investment. Give dress size. Dept. Z-36, Harford Frocks, Cincinnati, Ohio.

USE THIS ORDER BLANK NOW

TO MAIL YOUR CLASSIFIED AD FOR WALLACES' FARMER AND IOWA HOMESTEAD

WALLACES' FARMER AND IOWA HOMESTEAD,
Des Moines, Iowa.

Gentlemen: Run my ad as follows..................................times in your

paper. Remittance for $................................is enclosed.

(PLEASE PRINT ENTIRE AD TO AVOID MISTAKES)

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Name ....
(Count as part of ad)

Address ....
(Count as part of ad)

RATES AT TOP OF PAGE. MINIMUM CHARGE, $2.10

SITUATION WANTED

GROOM WANTS JOB TO TAKE A HORSE out—during season or on stock farm. Lifetime experience. Box 73, Wallaces' Farmer and Iowa Homestead.

PERSONALS

MATERNITY HOSPITAL FOR UNMARRIED mothers. Largest building, fireproof, oldest established, lowest rates. Expenses reduced by working. Address, Fairmount Hospital, 1414 E. 27th, Kansas City, Missouri.

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LIVESTOCK

BEEF CATTLE

CHOICE DUAL PURPOSE POLLED SHORTHORN heifers, bred and open, few bulls, must sell to make room. A. J. Birkestrand, Cambridge, Iowa.

POLLED SHORTHORN BULLS AND HEIFERS of good quality for sale. J. C. Wahls, St. Olaf, Iowa.

DAIRY CATTLE

PURE BRED BROWN SWISS HEIFER CALVES and bulls ready for service at reduced prices if taken at once. $40 up. Harry Simning, Avoca, Iowa.

CHOICE HOLSTEIN BULLS, BRED FOR TYPE and production. Priced reasonable. Shoment Farms, Monticello, Iowa.

DUAL PURPOSE CATTLE

MILKING SHORTHORN BULLS AND HEIFers, 2 to 16 months. A. E. Eschen, [illegible], Iowa.

HORSES

LARGEST SELECTION OF PERCHERON STALlions in Iowa, 2 to 4 years, 1,600 up. See these stallions before you buy. Joe Lahart, McIntire, Iowa.

BELGIAN STALLIONS FOR SALE. WE CAN please you with prices and quality. Sorrels and Bays. J. J. Rominger, Corwith, Iowa.

REGISTERED BELGIAN STALLION COMING 3 years old. Sound. Light colored mane, silver mane, tail. Harley Wells, Pomeroy, Iowa.

RED ROAN BELGIAN STALLION, FARCEUR breeding, 4 year old. O. Griswold, [illegible], Lee County, Iowa.

SORREL BELGIAN STALLIONS; COMING 3 and 6. Light manes, tails. Merle [illegible], Greeley, Iowa.

FOR SALE, 10 HEAD BELGIAN STALLIONS, all roans and sorrels. Wm. Harris, Quasqueton, Iowa.

FOR SALE, A TOP THREE YEAR OLD PERcheron stallion. John P. Schuman, Keota, Iowa.

ONE LARGE HEAVY BONED JACK COMING five for sale. Otis Deisher, Lineville, Iowa.

BELGIAN MARES—MON GROS BREEDING. Lefebure Bros., Fairfax, Iowa.

SWINE

FOR SALE, CARLOAD LOTS OF GOOD FEEDing pigs fresh from the country. Weights desired. Write or wire, Jay Garrett, West Plains, Missouri.

CHESTER WHITE GILTS. BRED FOR MARCH, April, May farrow. Immune. Ben Schettler, Breda, Iowa.

BERKSHIRES, BRED GILTS, REGISTERED. Best breeding. H. Birkett & Sons, R. 8, Lincoln, Nebraska.

PUREBRED DUROC BOARS, IMMUNED. POPular-breeding. Aberdeen-Angus, Bull-calves, Marshall-breeding. Roy Leggett, St. Charles, Iowa.

PROLIFIC, PEDIGREED, CHESTER WHITE bred gilts, immuned, easy feeding type. Bert Boyer, Farmington, Iowa.

WANTED TO BUY

WANTED TO HEAR FROM SHORTHORN breeder who has first class serviceable Bull for sale. Pankratz Bros., Mt. Lake, Minnesota.

MISCELLANEOUS

WIN $2250.00

Can you make 5 three-letter words using the letters in the word "PARAMOUNT"? Rush your answer to G. F. Stayton, Dept. 145-E, Des Moines, Iowa, and you will get opportunity to win $2250.00.

DRUG SUNDRIES, SPECIALTIES, SUPPLIES, etc. mailed direct by manufacturer. Everything in small rubber lines. Send for free mail-order catalog, saving 75 per cent. Mail-Order Dept. N-R Mfg. Company, Box 353, Hamilton, Ontario.

WET MOTORS STARTED INSTANTLY. WATER will not affect after treatment. Send 50c. Results guaranteed. Package treats ten cars. Pioneer Parts and Manufacturing Company, Box 670, [illegible], California.

AUTO AND TRUCK PARTS

SAVE 50 PERCENT—75—PERCENT ON REconditioned used truck and auto parts all models and makes to 1936. Motors, transmissions, rear ends, magnetos, drive shafts, wheels, tires. Money back guarantee. Free catalog. Write, wire—give model, motor serial number. [illegible] Auto Wrecking, 7008-B Cottage Grove, Chicago.

BEES

BEES GOOD SIDELINE. PLEASURE, PROFIT. Send $1 for one year subscription and 190 page book "First Lessons in Beekeeping." Catalog free. American Bee Journal, Box W, Hamilton, Illinois.

BROODER HOUSES

BEFORE BUYING A BROODER, SEND FOR free literature on the most economical brooder. Pierson Brooder Company, 726 Continental Building, Oklahoma City.

CORN CRIBS

PERMANENT CORN CRIBS AND SILOS. LOW prices, easy terms. Send postal for crib or silo catalog number 10. Waterloo Concrete [illegible], Waterloo, or Iowa Concrete Crib & Silo Company, Des Moines.

Please mention this paper when writing.

MISCELLANEOUS

CORN DIP

CHET'S CUT WORM DIP WILL SAVE 90 per cent of corn from cut worms, wire worms and other pests. Tried and tested eight years. Sold in $2 bottles; treats eight bushels of corn, send money order to Chet's Corn Dip Company, Oakdale, Nebraska.

DAIRY SUPPLIES

MILKING MACHINE RUBBER FOR ALL makes. Guaranteed quality. Low prices. Special inflations for all type shells. New improved teat cup with inflation suitable all pipe line milkers. Better, faster milking. Write for literature, prices. Save money. Rite-Way Products Company, 4007 N. Troy Avenue, Chicago, Illinois.

TUBULAR CREAM SEPARATOR BARGAINS. No agents. Big trade-in allowances. 30 day free trial. Small monthly payments. Write United Dairy Equipment Company, West Chester, Pennsylvania.

MILKING MACHINES, RUBBERS FOR ALL makes. Cream separators. Lighting plants. Write for new low prices. Milker Exchange, Box 8, Mankato, Minnesota.

EGG CLEANER

MORE MONEY FOR YOUR EGGS—CLEAN them with National Dry Cleaner, $1. Postpaid. Satisfaction Guaranteed. National Industries, Dept. 30, Des Moines, Iowa.

ELECTRIC FENCES

FOR ELECTRIC FENCING GET THE ORIGINAL Prime Controller for safety—effectiveness—one wire guaranteed to hold stock—battery or power—30 day trial—catalog free. Prime Manufacturing Company, Dept. C, Milwaukee, Wisconsin.

ELECTRIFIED FENCES REDUCE COSTS 80 per cent. Battery or power current operated. Information free. Write, One-Wire Fence Company, E-28 Whitewater, Wisconsin.

FARM LIGHT BATTERIES

EDISON STORAGE BATTERIES FIFTEEN year life. Five year unconditional guarantee. Free literature. See Jay Battery Company, 86 Sterling Avenue, Yonkers, New York.

AMAZING PROFITABLE BUSINESS. BUILD new farmlight, automobile batteries from old. Recast new plates, all lead castings from junk batteries. Battery Laboratories, St. Paul, Minnesota.

FARM LIGHT PLANTS

FARM LIGHT PLANT ONLY $49.50. FURnishes light for the home. Charges radio battery. Runs washing machine, separator and pump direct from engine. Big discounts to agents. Be first, write quick. Parker McCrory Manufacturing Co., 971-D, 4035 Troost Avenue, Kansas City, Missouri.

FASCINATING, PROFITABLE BUSINESS. Build amazing electric plants cheaply, from old car engines, automobile generators and parts. Operates lights, washer, radio. Instructions, illustrated circular, wholesale catalog 25c. Electric Manufacturing, St. Paul, Minnesota.

ELECTRIC LIGHTS — WIND DRIVEN. YOU build them. Write—Wind Motor Electric, Ridgeway, Minnesota.

FEED BAGS

WE BUY FEED BAGS. PAY FREIGHT ON 200 or more. Lincoln Bag Company, Springfield, Illinois.

GOPHER TRAPS

GOPHER TRAP. RENKEN SURE CATCH. Circular free. Write, Renken Trap Company, 644, Crete, Nebraska.

HARNESSES

WRITE FOR OUR 1936 HARNESS AND COLlar catalog, strapwork, harness hardware. Nickel & Son, Wholesale Manufacturers, Spencer, South Dakota, Dept. 1.

MASTER HARNESS HAND SEWED. WRITE for prices. Griesemer Harness Shop, Garner, Iowa.

HAY TOOLS

JAYHAWK STACKER, SWEEP AND HAYloader combined. One man operates with tractor or horses. Stack 70 to 100 tons per day. Load wagons from windrow. Late improvements. Wyatt Mfg. Company, Box P, Salina, Kansas.

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When answering these ads it will save lots of trouble for you, for us, and for the advertiser if you will not mail your rolls in envelopes. Wrap well, tie securely, and address plainly.

IMMEDIATE SERVICE! NO DELAY! ROLL fully developed, carefully printed and two beautiful, full-size 5x7 double weight professional enlargements (or one tinted enlargement)—all for 25c coin. The Expert's choice! Reprints 3c each. The Photo Mill, Box 629-M, Minneapolis, Minnesota.

BEAUTIFUL EASTER CARDS FROM YOUR negatives. 60c per dozen with envelopes. Rolls developed, two sets dated prints plus enlargement coupon 25c. reprints 3c, over 19 reprints 2½c. Jones Studios, Davenport, Iowa. "Where the West Begins."

FINER FINISHING. ROLLS DEVELOPED AND printed colored enlargement, or two double professional enlargements all for 25c (coin). Genuine, nationally known Moentone superior quality. Moen Photo Service, Box 867-I, LaCrosse, Wisconsin.

ROLLS DEVELOPED 116 SIZE OR SMALLER. "Eight Enlargements." "Yes Sir, Eight," no mistake. No small prints, only 25c. Satisfaction guaranteed or your money refunded. LaCrosse Photo Works, LaCrosse, Wisconsin.

RADIOS, CAMERAS, DOZENS OF OTHER VALuable premiums free to Paramount customers. Roll developed, 2 prints each negative, 2 premium coupons 25c. Paramount Film Service, Box 551W, Hannibal, Missouri.

FILMS DEVELOPED AND PRINTED, ALSO 2 double weight enlargements, 25c. Reprints 3c. 8 reprints and one 5x7 enlargement 25c. Photo Art Shop, Box 3406D, St. Paul, Minnesota.

ROLLS DEVELOPED — TWO BEAUTIFUL double weight professional enlargements and 8 guaranteed never fade perfect tone prints, 25c coin. Rays Photo Service, La Crosse, Wisconsin.

DUBUQUE FILM SERVICE, DUBUQUE, IOWA, gives you one day service. Two beautiful portrait type double weight enlargements and 8 guaranteed never fade prints with each roll, 25c.

BEAUTIFUL GLISTENING PRINTS. ROLL developed, 8 guaranteed glistening prints, 2 enlargements, 25c. American Photo Service, 2946-T ..., Minneapolis, Minnesota.

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20 REPRINTS 25c. FILM DEVELOPED 2 prints each negative 25c. Skrudland, 6970-5 George, Chicago.

HAND COLORED ENLARGEMENT WITH EACH roll 25c. 40 reprints 50c. Colorgraph, Dunning Station, Chicago.

QUICK SERVICE. ROLLS DEVELOPED 8 guaranteed prints, 2 enlargements, 25c coin. OK Photo Service, Ottawa, Kansas.

MISCELLANEOUS

KODAK FINISHING

ROLL DEVELOPED, TWO PRINTS EACH AND two free enlargement coupons 25c. Reprints 2c each, 100 or more 1c. Summers' Studio, Unionville, Missouri.

FINERFOTOS GUARANTEED—ROLLS DEVELoped, 2 Bromide enlargements, 8 Velox prints, 25c coin. Finerfotos—Box C-898, Minneapolis, Minnesota.

TWO PROFESSIONAL ENLARGEMENTS WITH each roll developed and printed 25c. Eight reprints, two enlargements, 25c. Hygloss, River Grove, Illinois.

FREE. TWO BEAUTIFUL SILVERTONE ENlargements with film developed, including eight Silvertone prints 25c. New Deal Photos, LaCrosse, Wisconsin.

50 EXCELLOTONE REPRINTS 50c. TWO 5x7 enlargements 15c. Film finished, 16 prints 25c. Speedshop, Albany, Wisconsin.

FILMS DEVELOPED — 25c. TWO 5x7 ENlargements with each roll. Club Photo Service, La Crosse, Wisconsin.

BEAUTIFUL KODAK ALBUM (PREMIUM) free. One roll 16 prints for 25c. Fitzco, Yale, Oklahoma.

SPARKLING SNAPSHOTS. ROLL DEVELOPED, eight sparkling prints, 2 enlargements, 25c. Ace Photo Service, Box 223, Minneapolis, Minnesota.

SPECIAL — ROLLS DEVELOPED. THREE prints each good negative 25c and this ad. Reprints 3c. Eastman's, Boole, Iowa.

FILMS DEVELOPED, ANY SIZE, 25c COIN, including two enlargements. Century Photo Service, Box 829, LaCrosse, Wisconsin.

20 REPRINTS, 25c. 100 REPRINTS, $1. ROLLS developed with 16 prints, 25c. Nordskog, 7, Maywood, Illinois.

FILMS DEVELOPED, 2 PRINTS OF EACH, 25c. 20 reprints 25c. Pine Photo, L-5134 Nevada, Chicago.

LIVESTOCK REMEDIES

BANG'S DISEASE, PREMATURE CALVING. How prevented. Also nonbreeding, warbles, white scours, etc. Only Government approved methods used or advised. Remarkable credentials. 50 years experience. Bellwood Laboratories, South Richmond, Virginia.

ABORTION—LASTING IMMUNITY ONE VACcination. Government license; money back guarantee. Free abortion literature. Farmers Serum and Supply Company, Department M, Kansas City, Missouri.

SMITH-BENSHOFF FISTULA REMEDY. A powder given internally. Write for testimonials. Ray B. Smith, Druggist, Perry, Iowa.

MINERAL WATER CRYSTALS

BUY GENUINE TEXAS MINERAL WATER Crystals direct. Send $1 for two $1 size packages. We pay postage. Money-back guarantee. Get catalog of home necessities at cut rate prices. Arbee Products, Dallas, Texas.

OLD COINS WANTED

UP TO $2,000 EACH PAID FOR OLD CENTS. 50c before 1916 $750, old paper money $26, foreign coins $150, Lincoln cents before 1932 $35 per 100, etc. Send 25c for large illustrated complete catalog before sending coins. Romanocoinshop, Dept. 673, Springfield, Massachusetts.

OLD GOLD WANTED

GOLD IS $35 OUNCE. CASH FOR GOLD teeth, watches, jewelry. 100 per cent full cash value mailed day shipment received. Don't gamble! For highest prices ship direct to one of the oldest and largest American institutions. Satisfaction guaranteed or articles cheerfully returned. Licensed. Information free. Chicago Gold Smelting & Refining Company, 300-Y Champlain Bldg., Chicago.

$35 FINE OUNCE FOR GOLD TEETH, crowns, bridges, jewelry, watches. We are smelters and refiners and pay the most because we refine into dental gold. Satisfaction guaranteed or shipment returned. Licensed. Free information. Dr. Weisberg's Gold Refining Company, 1554 Hennepin, Minneapolis, Minnesota.

POP CORN

POP CORN IS A GOOD CASH CROP. RAISE pop corn and buy your seed from pop corn experts. We can supply the four kinds that have the biggest demand. Our seed is true to type. Our price is right. Supplies are limited. If interested write today. Don't delay. Badger Pop Corn Company, Box 647, Waterloo, Wisconsin.

POULTRY REMEDIES

GENO TABLETS GIVE YOUR CHICKS A SAFE start. Dissolve immediately in drinking water. 100 size 75 cents. Book on care of chicks free. Geno Remedy Company, Box J, Monticello, Illinois.

QUILT PIECES

BEAUTIFUL COLORFAST PRINTS — 5 BIG bargain packages 99c postpaid; trial package 25c. Free patterns. Money-back guarantee. Rees Davis, "W" Capitol Bldg., Chicago.

RADIOS

FARM RADIO. AMAZING NEW. OPERATES from free wind power. Powerful wind charger kits $7.50 up. Agents wanted. Be first to write for "no risk" trial offer. Parker-McCrory Mfg. Co., 971-CX, 4035 Troost, Kansas City, Missouri.

SILOS

MICHIGAN WAXED CONCRETE STAVE SILOS. Most serviceable silos ever sold. Write for literature and prices. Michigan Silo Company, Peoria, Illinois.

TELEPHONES AND REPAIRS

FARM TELEPHONES, REPAIRS AND PARTS. Free bulletin. Guaranteed 5 bar wallphone $10 prepaid. Telephone Repairman, Rogers Park, Chicago.

TANNING

HARNESS LEATHER $5.95 PER SIDE. FULL side, guaranteed 15 lbs. or more. Famous Cownie "Life-Tan" leather. Lowest price now. Make permanent harness repairs at big saving. Money back guarantee. Free harness knife if you send remittance with order. Folder free. Cownie Tanning Company, 1505 Market Street, Des Moines, Iowa.

TOBACCO

"KENTUCKY'S FAVORITE" GUARANTEED best-grade mild smoking, 12 pounds $1. Juicy red chewing, 10 pounds $1. Manufacturing recipe, flavoring, box plugs free. Doran Farms, Murray, Kentucky.

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FREE BOX PLUGS OR SACKS WITH 10 pounds finest, sweet, Redleaf chewing or mild, mellow smoking, only $1. Guaranteed. Pay when received. Morris Farms, Fulton, Kentucky.

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MISCELLANEOUS

TOBACCO

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SAVE ON YOUR TOBACCO. BUY DIRECT from our factory "Kentucky Pride" manufactured chewing, 30 big twists, sweet or natural, $1. 30 full size sacks smoking, extra mild or natural, $1. 24 full size sweet plugs, $1. Satisfaction guaranteed. Murray Tobacco Company, Murray, Kentucky.

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BUILD AT LOW COST OUR SELF-ALIGNING tractor hitch. Write Sioux Engineering Company, Sioux City, Iowa, Box 312.

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WANTED RELIABLE FARMER IN EACH township as dealer for Soo-Preme oils and feeds. Have complete line of feeds and minerals. Have good proposition for right man. Write us giving your age, name and address. Soo Feed & Chemical Company, Sioux City, Iowa.

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CUSTOM WOOL CARDING—YARN, BATTS, blankets, etc. Old batting recarded. Make excellent comforter batts from your old woolens. Circulars free. Satisfaction guaranteed. Cambridge Woolen Mills, Cambridge, Minnesota.

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Sexed Purebreeds and Hybrids Cheap

All Dovold Baby Chicks, per 100—Tancred Leghorns, White, Barred Rocks, Reds, Orpingtons, Wyandottes, White Minorcas, $7.85; White Giants, Red X Barred Rock Hybrids, Sexed White Hybrid Pullets (Leghorn X any heavy breed, your selection), $9.40; White Leghorn pullets, Hybrid "White Egg" Pullets (Leghorn X Minorca), $13.75; White Hybrid Cockerels, $6.90. Assorted Cockerels, $3.00. Laymore Matings, add only 1c per chick. Free Chicks for cash with order. Or we ship C. O. D. plus postage. Cockerels subject to prior sale of pullets. 100 per cent Arrival Guaranteed. Sexing guaranteed 90 per cent accurate. Free Catalog. Send your order today.

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BUY DUBOIS HIGH QUALITY CHICKS. ALways dependable. A fourteen day guarantee. All chicks hatched in new Smith Electric Machines of latest type. All flocks bloodtested and culled for high egg production. We have thousands of satisfied customers who say Dubois Chicks make them larger profits. If you have never raised Dubois Chicks send in your order today for our big, thrifty, over-size chicks, hatched from old hens. 100 per cent live delivery guaranteed. We pay postage. Barred, White, Buff Rocks, Rhode Island Reds, White Minorcas, White Wyandottes, Buff Orpingtons $7.90 per 100, $38.75 per 500. Buff Minorcas, Black Minorcas, New Hampshire Reds, Silver Laced Wyandottes $8.40 per 100, $41.00 per 500. White Giants $9.80 per 100. White Leghorns (Tom Barron English Strain), Mottled Anconas, Brown, Buff Leghorns $7.40 per 100, $36.25 per 500. Heavy mixed $7.00 per 100, $33.25 per 500. Assorted Mixed $6.50 per 100, $31.00 per 500. Prompt delivery. For discount on larger orders write for free literature. Dubois County Hatchery, Box 965, Huntingburg, Indiana.

NEW GOAL FOR POULTRY—MORE SIZABLE fowls, greater productiveness, larger eggs—these three things are sought by today's aggressive poultry raisers. I have anticipated these new flock requirements in time to provide my thousands of friends and customers right now with chicks bred for size, productiveness and larger eggs that bring top prices. I can help you raise your flock standards at little cost. My pure-bred White, Buff or Brown Leghorn chicks, 100, $7.95; 500, $38.50. Barred, White, Buff Rocks, Single Comb Reds, Buff Orpingtons, 100, $8.45; 500, $41. White Wyandottes, 100, $9.45; 500, $46. Special Matings, including chicks from 275,000 White Leghorns sired by R. O. P. cockerels, only 2c more per chick than Quality Matings. Royal Mating White Leghorns from R. O. P. males and R. O. P. supervised females, 100, $12.95; 500, $62.50. U. S. approved and bloodtested. Sexed chicks, prices on request. Miller Hatchery, Dept. 145, Bloomington, Illinois.

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No Catches!

PETERS' FAMOUS SPECIALS. Guaranteed against excessive losses first two weeks, and if in 5½ to 6½ months you aren't completely satisfied with production of pullets, money refunded. White Leghorns, White and Barred Rocks, New Hampshire (Reds), Wyandottes, Crossbreeds, Sexed Purebreds. Our own Master-Control farm breeding for 15 years assures health, vigor, production. A small investment in odd lots (Peters' selection) will insure guaranteed high production. As Low as $7.25 per 100. Convenient terms. No substitutions. Order now to avoid disappointment, supply limited. Prompt delivery. Catalog explains.

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BOWMAN CHICKS

Famous all over the Middle West for their profit-making qualities. Foundation stock backed by 200-305 trapnest egg records. Save. Order Direct. Low Prices. All Wis. Approved purebred chicks. White, Brown, Buff Leghorns, Anconas, White, Barred, Buff Rocks, Wh. Wyandottes, S. C. Reds. Quality Matings, $7.95 per 100; 500, $38.50. Famous Special Matings, bred for higher egg production, cost 1c per chick more than Quality Matings. Send deposit with order or full amount. Prepaid. 100 per cent live delivery.

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Dept. 50, PLATTEVILLE, WIS.
Just 10 miles from Dubuque.

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Heavy layers—large eggs. Make more money—produce eggs for as low as 6¼c per dozen—get top prices—higher flock averages. Champions year after year. "Master-Mated" Silver Certificate and Gold Certificate egg-laying strains backed by five years intensive breeding developed on Master Breeding and Trapnesting farm. Six years Grand Champion Iowa Baby Chick show. World's Fair winners. All popular breeds—specializing in Leghorns, Rocks, Reds, Wyandottes and New Hampshires. Write for illustrated catalog and low prices for extra quality. Ramseyer Hatcheries, Oskaloosa, Iowa, Box W.

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PROFESSOR KING OFFERS BABY CHICKS from bloodtested flocks bred for egg production and size, backed by 19 years' experience. All leading breeds. Day old, sex-sorted, two, three, four week old pullets or cockerels. Catalog and prices free. Iowa Hatchery, Iowa City, Iowa.

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KOSBAU'S SELECTED CHICKS, HATCHING eggs, blood tested, accredited, 25,000 weekly, 10 years experience, popular varieties, easy terms, low prices. Write Kosbau Hatchery, Waukon, Iowa.

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WOODLAWN HUSKY, BLOODTESTED CHICKS. Leaders in quality. Hatching weekly. Exceptional livability. Woodlawn Hatchery, Woodlawn, Illinois.

FOR LOW PRICES, PROMPT SERVICE, WRITE Smith Chickeries, Box 262-W, Mexico, Missouri. Also selling Sexed chicks.

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STOP BABY CHICK LOSSES! ORDER STRONG started chicks from Professor King. Two, three, four weeks old. Pullets or cockerels and chicks from purebred bloodtested flocks. All leading breeds. Catalog free. Iowa Hatchery, Iowa City, Iowa.

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NOTICE TO POULTRY PURCHASERS

UNLESS THERE IS A PREVIOUS AGREEMENT governing any transaction between buyer and seller, who might advertise in these columns, Wallaces' Farmer and Iowa Homestead expects advertisers and buyers to comply with the following agreement: Where mature poultry is purchased on mail representations, without inspection, the seller, upon receipt of the purchase price, will ship the poultry to the buyer, with the privilege of examination at arrival. If for any reason the shipment is not satisfactory, the buyer will see that the poultry is properly fed and watered and returned immediately to the shipper, the shipper standing carriage charges one way, the buyer paying them the other way. Upon receipt of the returned shipment in good order, the shipper will then refund the original purchase price. If poultry is shipped a considerable distance, the shipment should be fed, watered and given a one or two days' rest and then returned. This is in accordance to general custom in handling such transactions and is assumed to govern all deals between our advertisers and subscribers. If there is any variance to the above regulations, shippers should notify buyers of them before filling orders.

Additional Classified Advertisements on Next Page

Our Readers Market

(Continued from preceding page)

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POULTRY TRIBUNE—AMERICA'S LEADING poultry magazine. Five years $1, one year trial 25c. Agents wanted. Poultry Tribune, Desk C-36, Mount Morris, Illinois.

ANCONAS

MOTTLED ANCONAS. BABY CHICKS AND hatching eggs. Write for large illustrated catalog describing this profitable egg producing breed. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

ANCONA CHIX FROM BLOODTESTED flocks, $8-100. Central Hatchery, Norfolk, Nebraska.

BLACK AUSTRALORPS

OSBORNE'S BLACK AUSTRALORP HATCHing eggs. Blood tested. Iowa inspected. $4 per 100. John Martine, Postville, Iowa.

BANTAMS

EXHIBITION GOLDEN SEABRIGHT BANtam eggs $1.10 setting. White Crested Black Polish eggs $1.10 setting. Runtz, Rembeck, Iowa.

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LIGHT BRAHMAS. WRITE FOR LARGE illustrated catalog describing this still popular breed. Chicks, eggs, stock from best blood lines. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

FOR SALE: LIGHT BRAHMA HATCHING eggs—$5 per 100. Mrs. W. A. Hopley, Atlantic, Iowa.

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DARK CORNISH CHICKS, STOCK, EGGS. Write for large illustrated catalog describing this finest meat breed. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

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BLACK GIANT HATCHING EGGS. 13 YEARS breeding vigorous standard quality stock. Edward Holsteen, Morning Sun, Iowa.

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OUR LARGE, ILLUSTRATED CATALOG DEscribes the new, popular Jersey White Giant Chicks, stock, eggs from select matings of both White and Black Giants. Write today enclosing 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

WHITE JERSEY GIANTS, CHICKS, $10-50, 100—$50-500. Post paid, 100 per cent live delivery guarantee. Gaukels Chickeries, Sauk City, Wisconsin.

WE SPECIALIZE IN JERSEY WHITE GIANT Chix. Bloodtested flocks. Thousands weekly. $10-100. Special Quality $12-100. Central Hatchery, Dept. W, Norfolk, Nebraska.

WHITE GIANT CHICKS AND BABY PULlets. Quality, size, type. Tested. Esther Goodsell, Dumont, Iowa.

WHITE GIANT HATCHING EGGS. OLD ESTablished flock. $3.50-100. Mrs. Raleigh Messer, Bedford, Iowa.

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SILVER SPANGLED HAMBURGS. MOST beautiful of all laying breeds. Chicks, stock, eggs reasonably priced. Send 5c postage for large catalog. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

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FARROW BROWN LEGHORNS. EASY TO raise. Good layers. Can furnish promptly. Order now. Healthy, blood tested stock. $7.95-100, $38.75-500. Farrow Chickeries, Peoria, Illinois.

RYAN'S BROWN LEGHORNS FROM STOCK trapnested and blood tested for 20 year. Hearty birds. Strong laying strain. Order now. Chicks $8 per 100. F. L. Ryan, Beaver, Iowa.

WHITE LEGHORNS

CRAVEN OFFERS YOU KNOWN QUALITY IN pedigreed wingbanded baby chix at a very reasonable price. Put vigor, high production, large egg size in your Leghorns. Craven Leghorns are bred to a high standard. 20th season. B. E. Craven, Iowa's Pioneer Trapnester, Kellogg, Iowa.

BIG TYPE WHITE LEGHORNS. FREE NEW book by Prof. Rucker, breeder of World's Egg Record champions. Low prices—Chicks, breeding stock, eggs. Sexed chicks. 4 weeks livability guarantee on chicks. Prof. E. H. Rucker, Dept. 4A, Ottumwa, Iowa.

WE ARE OFFERING OUR FAMOUS COLLEGEtown White Leghorns for April and May delivery. All stock bloodtested. Large hens, large eggs, and consistent layers. Write for prices. Ames Hatchery, Ames, Iowa.

TANCRED—HANSON 300 EGG BLOOD LINE Leghorn chicks at new low prices. Both strains in their purity. Leghorn specialists 28 years. Catalogue free. Box W, England Farms, Mt. Vernon, Iowa.

ROSE COMB WHITE LEGHORNS. THE GOLDmine layers. 100—$8.25, 500-$40, 100 per cent live delivery guarantee. Post paid. Gaukels Chickeries, Sauk City, Wisconsin.

FAMOUS FARROW STAR MATINGS WHITE Leghorns. 200-egg strain. Long type. Real layers at large white eggs. $11.95-100, $58.75-500. Farrow Chickeries, Peoria, Illinois.

HANSON'S WHITE LEGHORN CHICKS. Two, three generation 300 egg dams. $8.95-100, $42-500. Livability guaranteed. McCallister Breeding Farm, Dunlap, Illinois.

TRAPNESTED WHITE LEGHORNS—LARGE type. Bloodtested, pedigreed, certified, accredited. Prices reasonable. St. Paul Hatchery, St. Paul, Minnesota.

EXTRA LARGE ENGLISH LEGHORN CHICKS from inspected flocks, bred for size and high production. $7-100, heavy breeds $7.50. Silverside Leghorn Farm, Farmington, Iowa.

HEAVY LAYING TANCRED SINGLE COMB White Leghorns. Eggs and chicks at low prices. Free catalog. H. E. Williamson, Dubuque, Iowa.

PURE TOM BARRON LEGHORN CHICKS, $8-100, $39-500, $77-1,000, eggs $3.15-100; case $10.50. Delue Smith, Indianola, Iowa.

PURE HANSON STRAIN 300 DOUBLE PEDIgree breeding. Chicks, eggs reasonable. Rocco Farms Farm, Hubbard, Nebraska.

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MINORCA CHICKS. BUY YOUR MINORCA chicks from the hatchery that has specialized in Minorcas for 15 years. We are the largest hatchery of White, Buff and Black Minorcas in the state. Spring Valley Chick Hatchery, Spring Valley, Minnesota.

BUFF MINORCAS LAY LIKE LEGHORNS. Weigh like heavy market breeds. Their extra large, white eggs bring top market prices. Write for catalog illustrating Buff, White and Black varieties. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

SPECIALIST IN MINORCAS FOR TWELVE years. Baby chicks at common hatchery prices. Pedomus Minorca Farm, Fairmont, Minnesota.

POULTRY

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ALL AMERICA IS TURNING TO THIS FASTest of fast growing poultry. Be first in your community with a flock to supply demand for these genuine wonder birds. My stock is 100 per cent pure. Send postal card today for free booklet telling why you can make more money with Nelson New Hampshires. Harris E. Nelson, Chatfield, Minnesota.

NEW HAMPSHIRE REDS. FAST GROWING, early feathering, quick maturing. Lay large brown eggs abundantly even in coldest weather. Chicks and egg in limited quantities. Write for catalog describing this sturdy breed. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

NEW HAMPSHIRE CHICKS, QUICK FEATHering. Early maturity. Large brown eggs. Austra White Hybrids. Winter layers. Quick maturity. Leghorn price unsexed; sexed if wanted. Inspected Pullorum tested. Order early. Meyer's Four-County Hatchery, Postville, Iowa.

FAST DEVELOPING, GOOD LAYERS, WILL compete with Leghorns producing eggs. From pure stock pullorum tested. Our capacity is booking fast. Order now. Don't be disappointed. Madrid Hatchery, Madrid, Iowa.

PURE NEW HAMPSHIRES — CHRISTIE strain—all stock bloodtested. May delivery, special prices on orders of 1,000 or more. Write for prices. Ames Hatchery, Ames, Iowa.

NEW HAMPSHIRE CHICKS QUICK MATURing. Heavy layers. Large, Profitable. Tested. Esther Goodsell, Dumont, Iowa.

BUFF ORPINGTONS

BUFF ORPINGTON HATCHING EGGS FROM our 1935 Iowa State Fair and State Poultry Show winners. Special matings. Pullorum tested. Send for mating list. Frantz & Grubb, Grand Junction, Iowa.

BUFF ORPINGTON HATCHING EGGS, TYPE and production, blood tested, accredited. Dan Schulz, Latimer, Iowa.

RHODE ISLAND REDS

HEAVY LAYING REDS. WRITE FOR NEW free book by Prof. Rucker, breeder of Official Egg Record champions—low prices—Chicks, breeding stock, eggs—4 weeks livability guarantee on chicks. Prof. E. H. Rucker—Dept. 4B, Ottumwa, Iowa.

USE FARROW RHODE ISLAND REDS FOR foundation stock. Blood tested. Real layers. Low prices. Catalog free. Farrow Chickeries, Peoria, Illinois.

SINGLE COMB REDS, PULLORUM TESTED. American Poultry Association inspected, eggs $5-100. Mrs. John Anthony, Westside, Iowa.

TOMPKINS REDS (DIRECT), BOTH COMBS. Blood-tested. Eggs $4-100, $2.50-50. Ralph Van Duzer, Menlo, Iowa.

BARRED ROCKS

EGGS, BEAUTIFUL, DARK BARRED ROCKS. Trapnested 15 years. Records to 311. U. S. approved. Pullorum tested, large stock, large eggs. 85 per cent fertility. Postpaid. Mrs. E. L. Ruring, Gowrie, Iowa.

FARROW BARRED ROCKS. BRED FOR HIGH egg production and quick maturity. Try them. Catalog. Farrow Chickeries, Dept. 41, Peoria, Illinois.

LIGHT BARRED AND WHITE ROCKS. DES Moines winners. Pens 16 eggs $2. Lone Oak Farm, Lineville, Iowa.

BARRED ROCK HATCHING EGGS RANGE flock, pen matings. Circular. "Production Bred." Flatness Bros., Northwood, Iowa.

BUFF ROCKS

FARROW BUFF ROCKS ARE HATCHED FROM healthy, blood tested stock. Order now. $8-45-100, $41.25-500. Farrow Chickeries, Peoria, Illinois.

BUFF ROCK HATCHING EGGS. 1 S A C credited, pullorum tested. $4 per hundred. Post Paid. J. H. Lage, Latimer, Iowa.

BUFF ROCK HATCHING EGGS—HIGH PRODucing, carefully culled flock. Mrs. Harry Lauer, Mt. Union, Iowa.

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CHAMPION WHITE ROCKS
U. S. EGG-LAYING CONTESTS

Profit with a proven strain—direct from and guaranteed by the breeder. 15 years of intensive breeding has firmly fixed these profit making characteristics in my strain. Good livability . . . vigor . . . fast growth . . . early feathering . . . standard weight . . . uniform high flock production . . . fine type . . . large egg size. In 1935 N. Y. State 09-year Contest, Ward Hen with 278 eggs . . . 301.4 points. Champion all White Rocks in U. S. . . . Also highest 50 bird entry all egg-laying contests—average 219 eggs each. For three consecutive years high White Rock Flock. Iowa Record of Performance—203 egg—201.10 points. Customers' reports prove my trapnest indigree breeding produces extra profits. Catalog gives all facts . . . reasonable prices on chicks. A. H. Ward, Breeder, Box W, Independence, Iowa.

BIG LAYING WHITE PLYMOUTH ROCKS. Free new book by Prof. Rucker, breeder of Official Egg Record champions—Low prices—Chicks, breeding stock, eggs. 4 weeks livability guarantee on chicks. Prof. E. H. Rucker, Dept. 4C, Ottumwa, Iowa.

RECORD OF PERFORMANCE WHITE ROCK hatching eggs and baby chicks. Our new poultry farm and hatchery located half mile east Panora, Iowa. Free list. Merle Mills—formerly New Providence.

WE SPECIALIZE IN WHITE ROCK CHIX. Bloodtested flock. Thousands weekly. $9-100. Special quality, $10-100. Central Hatchery, Norfolk, Nebraska, Dept. W.

USE FARROW WHITE ROCKS AS FOUNDAtion stock. Healthy, blood tested. Real egg producers. Catalog. Farrow Chickeries, Dept. 41, Peoria, Illinois.

TRAPNESTED WHITE ROCKS—LARGE TYPE Bloodtested, pedigreed, accredited. Prices reasonable. St. Paul Hatchery, St. Paul, Minnesota.

EXHIBITION WHITE ROCK EGGS. $3.50 (prepaid). Pens headed by Certified pedigreed males (none better). Runtz, Rembeck, Iowa.

QUALITY WHITE ROCK CHICKS FOR SALE. Hatch every Monday. White Rock Hatchery, Kellogg, Iowa.

WHITE ROCK CHICKS. TRIPLE A QUALITY. Big type. Egg producers. Claude Goodsell, Dumont, Iowa.

SUSSEX

SPECKLED SUSSEX. WRITE FOR LARGE illustrated catalog describing this popular breed. Chicks, stock and eggs reasonably priced. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

SUSSEX CHIX FROM BLOODTESTED FLOCKS. $12-100. Central Hatchery, Norfolk, Nebraska.

COLUMBIAN WYANDOTTES

PUREBRED COLUMBIAN WYANDOTTE EGGS $4.50-100, $2.50-50. Postpaid. John Hamann, Schleswig, Iowa.

POULTRY

SILVER WYANDOTTES

SILVER WYANDOTTES. OUR SPECIALTY for 30 years. Chicks, eggs, breeding stock from select matings. Write for illustrated catalog describing them fully. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

SILVER LACED WYANDOTTE EGGS. FROM high scored bird. Mrs. C. W. Whitham, Fairfield, Iowa.

WHITE WYANDOTTES

WHITE WYANDOTTE EGGS THROUGH SEASon. Bloodtested flock $4-100. Pen $5.50. Mrs. Frank Fritz, Earlham, Iowa.

WHITE WYANDOTTE EGGS FOR HATCHING $4 per 100. Mrs. Harry Rausenberger, Earlham, Iowa.

DUCKS AND GEESE

(15 VARIETIES) DUCK, GEESE EGGS. INternational winners, none better. Write wants. Runtz, Rembeck, Iowa.

DUCKLINGS

WHITE MAMMOTH PEKIN DUCKLINGS. 50-88, 100-$15.50, 500-$76.50. Post paid. 100 per cent delivery guarantee. Gaukels Chickeries, Sauk City, Wisconsin.

WHITE PEKIN DUCKLINGS. 10,000 PER week. Write for prices. Spencer Chick Hatchery, Spencer, Iowa.

TURKEYS

LAWN CITY "MAMMOTH" BRONZE TURKEY poults from best blood lines in the country. Quality baby chicks from bloodtested flocks. Six heavy breeds and four light breeds. Leg-Rock pullets. Cedar Falls Hatchery, Cedar Falls, Iowa.

NICE, MATURED, BOURBON RED, BRONZE Toms $6.25, Hens $3.50. Also S White Holland hens $5.00. African Geese and Ganders $4 each. Murray McMurray, Webster City, Iowa.

BUY MAMMOTH BRONZE EGGS—POULTS from one of Iowa's finest, largest, most reliable flocks. Write Uhl Turkey Farm, Morningside, Sioux City, Iowa.

"SILVERGOLD" BRONZE POULTS. APRIL, 45c; May, 45c; June, 38c. Postpaid. Live arrival guaranteed. Eggs, M. Albinger, W-Box 225, Mason City, Iowa.

50,000 MAMMOTH BRONZE TURKEY POULTS. Circular free. Central Turkey Farms & Hatchery, Dept. W, Norfolk, Nebraska.

TURKEY POULTS. BOOKING ORDERS NOW. Write for prices and information. Schonrock's Hatchery, Fairbury, Nebraska.

MAMMOTH BRONZE TOMS 23 TO 28 LBS. $8.50. Hens $5.50. Twenty years in business. James Farley, Waukon, Iowa.

BOURBON RED TURKEY HENS 13-15 LBS. $3.50. Tom 26 lbs. $5.50. Mrs. Eric Leksell, Stratford, Iowa.

BRONZE TOMS, 24 TO 32 LBS., $7, $8, $9, $10. Will Monserud, Harpers Ferry, Iowa.

IMPROVED MAMMOTH BRONZE TURKEY eggs, twenty-five cents each postpaid. Safe arrival guaranteed. Robbins Ranch, Belvidere, Kansas.

BRONZE POULTS, QUALITY, SIZE, ELECTRIC hatched. Quick maturing. Order now. C. Goodsell, Dumont, Iowa.

SEEDS AND NURSERY STOCK

Sensational
New Below-Zero
YELLOW PEACH!

Biggest! Hardiest! Most Delicious! Heaviest Bearing Freestone Peach Ever Discovered. Called SUNGOLD. Originated in northern Iowa. For 15 years gone through sub-zero winters, 10, 15, 22 below, without injury. Never missed full crop. Richest, sweetest flavor. Highest quality. 22½c up. Read all about this remarkable peach, pictured in natural colors in our new FREE Nursery and Seed Catalog. Most beautiful catalog in America. Big bargains. Amazing offers. Sensational low prices. Guaranteed stock from America's Largest Direct-To-You Nurseries. We grow more fruit trees than all the other Iowa mail order Nurseries combined. Inter-State Nurseries, 21 E. Street, Hamburg, Iowa.

100 MASTODON, 200 BLAKEMORE STRAWberry plants $2. 200 Dunlaps $1—50 Asparagus 50c—12 Rhubarb 50c—100 Blackcap Raspberries $2—8 Downing Gooseberries or Cherry Currants $1—12 Welch's Concord Grapevines, two years 75c—2 Cacos, 2 Nagata, 3 Concord, 3 Moore's Early, two years, $1—30 Iris, six sorts $1—60 Gladiolus, six best colors $1—3 Bittersweet vines 50c—5 Regal, 5 Philippine Lilies $1—5 Hydrangeas two ft. $1—20 Spirea VanHouttei, 18 inches $1—3 French Lilacs, red, white, blue, 18 inches $1—6 Peonies, two each Rosenfield, Maxima Superba $1—5 Jonathan, 2 Transparent, 2 Red and 2 Yellow Delicious, one year, four ft. $4—8 Montmorency or Richmond Cherries, two years, $2—10 Chinese Elms, four ft. $1. Order now this ad. (Prepaid. Checks accepted. Catalog free. Welch Nursery, Shenandoah, Iowa.

APRIL SPECIALS—IMPROVED NEW LAND grown Mastodon Everbearing Strawberry Plants, 100-$1; 200-$1.60 prepaid, 500-$3, 1,000-$5.25, 5,000-$24.95, not prepaid. 200 Premier, $1.40 prepaid. 1,000-$4, 2,000-$7.50 not prepaid. 1,000 Gem Everbearing—$6.75 not prepaid. 100 Cumberland Black Raspberries or 100 Chief Red Raspberries or 100 Eldorado Blackberries, $1.50, 200-$2.35 prepaid. 1,000-$10 not prepaid. 50 Dewberries $1.25 or 25 Boysenberries $1.25. 100 Asparagus or 50 2-year Asparagus and 12 Rhubarb $1.00 prepaid. 6 2-year Montmorency Cherry Trees $2—100-$28. 6 2-year Jonathan Apple Trees $2.50—100-$38. Nothing Grown Only Quality stock Guaranteed. Westhaven Nurseries, R201, Sawyer, Michigan.

CERTIFIED FROSTPROOF CABBAGE AND Bermuda onion plants, open field-grown, well rooted, strong. Cabbage: Each bunch fifty, moss-packed, labeled with variety name. Jersey Wakefield, Charleston Wakefield, Succession, Copenhagen, Early Dutch, Late Dutch. Postpaid: 200, 65c; 500, 75c—500-$1; 1,000, $1.75, express collect, 60c for 1,000. 2,500, $3.50. Onions: Crystal Wax, Yellow Bermuda, Prizetaker, Sweet Spanish. Prepaid: 500, 60c; 1,000, $1; 6,000, $3.50. Express collect, 6,000, $2. F. O. B. Farms. Full count, prompt shipment, safe arrival, satisfaction guaranteed. Union Plant Company, Texarkana, Arkansas.

CERTIFIED FROST PROOF CABBAGE AND Bermuda onion plants—open field-grown, well rooted, carefully labeled, roots moss-packed, ventilated cartons, guarantee delivery. Cabbage: Charleston Wakefield, Jersey Wakefield, Copenhagen, Early Dutch, Late Dutch, postpaid, 200, 60c; 500, 75c—500-$1; 1,000, $1.60; 2,500, $3.25, express collect, packed 2,500 crate, per thousand 60c. Onions: Crystal Wax, Yellow Bermuda, Sweet Spanish, Prizetaker; postpaid, 500, 75c; 1,000, 95c; 2,500, $2.15; 6,000, express prepaid, $3.50, express collect, 6,000, $2. W. G. Fattier Plant Company, Omaha, Texas.

BUY QUALITY PLANTS. FROSTPROOF CABbage: Golden Acre, Copenhagen Market, Charleston, Flat Dutch, All Head and All Season. Prepaid. 500-$1; 1,000-$1.50. Collect 1,000-90c. 5,000 and more 75c a 1,000. Onion: Sweet Spanish, Prizetaker, Bermudas and Crystal Wax. Prepaid 500-75c, 1,000-$1.25. Collect 5,000 and more 60c a 1,000. Write for prices on Tomatoes, Pepper, Broccoli and Cauliflower plants. Quality plants and prompt service guaranteed. F. W. Schroer, Jr., grower of Quality plants, Valdosta, Georgia.

SEEDS AND NURSERY STOCK

PLANT ASSORTMENT — 200 FROSTPROOF cabbage, 200 onions, 25 tomatoes, 25 peppers, 25 cauliflower or eggplants, three sorts, all postpaid $1. Mixed as wanted. 500—$2.50, $1 1,000, $1.50, postpaid; collect 5,000 $3. Large, tough, hardy Leading varieties. Mossed, packed, moisture contents. Prompt shipment. Satisfaction guaranteed. Jacksonville Plant Company, Jacksonville, Texas.

SCHROER'S BETTER PLANTS. FROSTPROOF cabbage, Jersey, Charleston, Copenhagen, Flat Heads. Prepaid 500-$1, 1,000-$1.75, 5,000-$4.50. Onions, Bermuda, Crystal Wax, Sweet Spanish, white and yellow. Prepaid 500-50c, 1,000-$1.25. Collect 5,000-$3. Tomato plants and prompt shipment guaranteed. Southern Plant Farms, Valdosta, Georgia.

FARM GROWN SEEDS. WHITE SWEET CLOver, 98 per cent germination, 99 per cent purity. No. 150 bags $9. Wisconsin Brand Barley, 96 per cent germination, 99.6 per cent purity, 75c bushel. Redwing and Brown Flax, 98 per cent purity, 93 per cent germination, $2.25 bushel. No noxious weeds, 10 per cent germination. Milford Davis, Reading, Minnesota.

SCARIFIED SWEET CLOVER $2.70 BUSHEL. Nebraska Alfalfa $7.50 bushel. Red Clover $10.25 bushel. Sudan Grass $3.25 cwt. Other seeds priced low. Catalog free. Bargain—Gladiolus flowered Zinnias, red, pink, white, 10c postpaid. Guaranteed bloom first year. Big nursery seed catalog, farm seed offers free. Write Earl E. May, Box 436, Shenandoah, Iowa.

PIEDMONT PLANTS—OPEN FIELD GROWN—frostproof cabbage and onion plants, all varieties. Postpaid: 200, 60c; 500, $1; 1,000, $2. Collect 1,000, $1.50; 5,000, $6. Tomatoes, Beets, Cauliflower, Broccoli, Pepper, Potato Plants. Write for free catalog, directions. Piedmont Plant Company, Box 325, Albany, Georgia.

C. O. D.—HARDY FIELD GROWN FROSTproof cabbage and onion plants. Leading varieties. 500, 60c; 1,000, $1; 5,000, $4.50. Also tomatoes, Tomatoes, Broccoli, Brussels Sprouts, Cauliflower plants. Write for illustrated catalog, prices. Piedmont Plant Company, Greenville, South Carolina.

NORTHERN MAMMOTH, SELECTED, STATE inspected, strawberry plants. Beaver, Robinson, Bellmar, Dr. Burrill, Dunlap, Premier, Howard's Early, 25-75c, 100-$1, 500-$3.25, 1,000-$5. Latham raspberry plants, bearing quantity, 25-$1.25, 100-$3.25, 250-$7.50. Victoria rhubarb, 3-50c; 12-$1.75. All prepaid to your door. Bride Valley Nursery, Bride, Wisconsin.

FARM SEEDS. BEST, DEPENDABLE VARIEties, seed corn, new and old, tests 90 to 98 per cent. Medium red clover, alsike, alfalfa, sweet or yellow sweet clovers, scarified, 90 per cent, $3.25 bushel. Hubam, millet, oats, barley, everything in seeds, nursery stock. Write for prices. Allen Joslin Seed Farm, Holstein, Iowa.

FORTY KINDS DEPENDABLE FARM SEEDS. Corn, Alfalfa, Clovers, Grasses, Kobe Lespedeza, Oats, Soybeans. Write for free catalog, farm seed catalog. Funk Bros. Seed Company, Bloomington, Illinois. (Funk Farms Established 1824.)

FARM SEEDS. BEST DEPENDABLE VARIEties, seed corn, new and old, tests 90 to 98 per cent. Medium red clover, alsike, alfalfa, sweet or yellow sweet clovers, Hubam, Millet, Oats, barley, everything in seeds, nursery stock. Write for prices. Allen Joslin Seed Farm, Holstein, Iowa.

CERTIFIED CABBAGE PLANTS. WAKEfields, Dutch, Copenhagen Market. 500-50c, 1,000, 85c; 2,000, $2. Tomato plants, Marglobe, Bonny Best, 500, 65c; 1,000, $1. Quick prompt shipment guaranteed. American Plant Company, Almo, Georgia.

PAY THE POSTMAN—FROST PROOF CABbage and onion plants. Leading varieties. 500, 50c; 1,000, 90c; 2,000, $1.75. Write for prices and illustrated catalogue on Lettuce, Tomato, Broccoli, Brussels Sprouts and Cauliflower plants. Ridge Plant Company, Greenville, South Carolina.

C. O. D. PLANTS. PAY POSTMAN. 200-100 Frostproof Cabbage, Onions, Tomatoes, Peppers, Potatoes, Cauliflower. Eggplant, $1-1,000-$1.25. 5,000-$5. Leading varieties. Mossed as wanted. Moss-packed. Texas Plant Farms, Jacksonville, Texas.

GROW VEGETABLES TWO WEEKS EARLIER with our hardy fieldgrown plants. Cabbage, $1 thousand; Onion, 60c; Tomato, $1.50. Write for descriptive list. Largest individual grower. Carolina Plant Farms, Valdosta, Georgia.

C. O. D. 300 FROSTPROOF CABBAGE, 200 onions, 100 tomatoes, 25 pepper, 25 cauliflower or eggplants, all 75c or mixed as wanted 1,000-$1, all varieties, moss packed. Smith Onion Plant Company, Troup, Texas.

SPRING CABBAGE AND ONION PLANTS 60c thousand. Tomato and Potato Plants $1. Sweet California Wonder Peppers 75c. W. L. Davis Plant Company, Valdosta, Georgia.

FROSTPROOF CABBAGE AND ONION PLANTS leading varieties. Prompt shipment. 500-60c, 1,000-$1. Pay on arrival. Illustrated catalog free. P. D. Fulwood, Titton, Georgia.

SPECIAL, 200 FROSTPROOF CABBAGE, 200 onions, 200 tomatoes, 25 pepper, 25 cauliflower or eggplants, all 75c or mixed as wanted 1,000-$1. Leading varieties, prompt shipment. Rusk Plant Company, Rusk, Texas.

CLOVER $7.20, ALFALFA $4.20. SEED CORN $2. All seeds for field, lawn, garden. Prices and quotations today for illustrated circular and sample. Hall Roberts' Son, Postville, Iowa.

SEND NO MONEY. C. O. D. FROSTPROOF Cabbage and Onion plants. All varieties. 500, 60c; 1,000, 95c. Standard Plant Company, Titton, Georgia.

PAY THE POSTMAN. SEND NO MONEY. Frostproof cabbage and onion plants. Leading varieties. 500, 50c; 1,000, 90c. A. Plant Company, Albany, Georgia.

C. O. D. SEND NO MONEY. FROSTPROOF cabbage and onion plants. All varieties. 500, 50c; 1,000, 90c. Prompt shipment. Gem Plant Company, Albany, Georgia.

REGISTERED REED CANARY GRASS SEED. Buy from grower. Also Hybrid corn. Good germination. Minnesota Pholaris Growers Association, Janesville, Minnesota.

C. O. D. 300 FROSTPROOF CABBAGE, 200 onions, 100 tomatoes, 25 pepper, 25 cauliflower or eggplants, all 75c or 1,000-$1, any variety. Coastal Plant Company, Ponta, Texas.

TEN CONCORD GRAPE VINES $1 POSTPAID. Many other bargains. Catalog free. Midwest Fruit Growers, 788 Ennis, St. Paul.

FROSTPROOF CABBAGE AND ONION PLANTS new ready. 500, 60c; 1,000, 90c. Union Plant Company, Titton, Georgia.

PHALARIS REED'S CANARY SEED GROWN—Germination 92 per cent, new crop, 25c lb., 50c, 99 per cent. Chas. Ramy, Mankato, Minnesota.

PAPERSHELL PECAN AND FRUIT TREES—nuts, cheap land. New catalog free. Rose Pecan Company, Lumberton, Mississippi.

SCHROER'S BETTER PLANTS. WRITE FOR prices on all kinds of Vegetable Plants. Schroer Plant Farms, Valdosta, Georgia.

HOME GROWN BROMI'S GRASS SEED FREE. Send folder on Bromus for hay and pasture. Bell Bowman, Albion, Nebraska.

"WHEN ANSWERING THESE CLASSIFIED advertisements, mention that you saw it in Wallaces' Farmer and Iowa Homestead—"Our Readers Market."

SEEDS AND NURSERY STOCK

WRITE FOR PRICES ON LEADING VARIEties of vegetable plants. F. W. Schroer, Jr., Grower of quality plants, Valdosta, Georgia.

GET PRICE ON MY QUALITY PLANTS TOmatoes, cabbage, potatoes, peppers, cauliflower, onions. L. P. Legg, Ashburn, Georgia.

STRAWBERRY PLANTS $2.35 PER 1,000 and up. Prices. Tree, Shrub, Bulb, Seed Catalog free. Zilke Nurseries, Baroda, Michigan.

ALFALFA

TIMOTHY $1.70; RED CLOVER $10; ALFALFA $5.90; Scarified White Sweet Clover $2.70; Alsike Clover $12; Mixed Alsike or Red Clover and Timothy $3.15. All per bushel. Bags free. Complete price list, samples, catalog upon request. Standard Seed Company, 39 East Fifth Street, Kansas City, Missouri.

RED CLOVER $10.50 PER BUSHEL. TIMOTHY $1.50. Hardy alfalfa $6.90. Grimm alfalfa sealed bag $8.90. Scarified Sweet Clover $2.70. Unhulled $1.50. Korean Lespedeza $1.75. all triple recleaned, sacked. Guaranteed satisfactory quality. Write—free samples and catalog. Frank Sinn, Box 401, Clarinda, Iowa.

ALFALFA KANSAS GROWN $5.75; GRIMM alfalfa $12. Sweet Clover $3. All per bushel, f.o.b. Salina. We buy from producers and sell at lowest prices. Satisfaction guaranteed. Ask for samples and prices all field seeds. Kansas Seed Company, 472 N. Santa Fe, Salina, Kansas.

HARDIEST ALFALFA KNOWN. MINNESOTA grown [illegible] Grimm). Purity 99.6 per cent; germination 95 per cent. 22c pound—$21.50 [illegible] White Blossom Sweet clover $5.50 [illegible] seeds—samples. Money refunded if [illegible] Olson, Litchfield, Minnesota.

HARDY ALFALFA $5.90; GRIMM ALFALFA $7.50; [illegible] sweet clover $2.90, yellow $4; red clover $10.[illegible] All 60 lb. bushel, triple recleaned. Return seed if not satisfied. Geo. Bowman, Concordia, K[illegible]

HARDIEST ALFALFA 13c LB. UP. SWEET clover [illegible] Free samples. All shipments subject to [illegible] and testing. Grimm Alfalfa Association, Fargo, North Dakota. (500 cooperating growers.)

BUY HARDY NORTHEAST NEBRASKA ALfalfa $4 bushel; sweet clover $2.50. Everything in field seed and seed corn. Send for price list today. Carpenter Seed Company, Norfolk, Nebraska.

ALFALFA SEED. WE HAVE THE SHORTEST crop in history. Play safe and buy hardy seed direct from a growers' organization. Wesotak Seed Exchange, Rapid City, South Dakota.

ALFALFA SEED — NORTHERN MONTANA grown. Best Grimm, Ladak. Prices right. Frasers, Wheeler, Montana.

BUY HARDIEST ALFALFA SEED DIRECT from Sam Bober, Newell, South Dakota, and save money.

FOR RESULTS FEED OUR ALFALFA AND prairie hay. The Covert Hay Company, Kearney, Nebraska.

CANTALOUPES

FRIERSON'S EARLY DELICIOUS, 27 TO 50 [illegible] per vine. Grows anywhere. Large [illegible] 25c. Catalog free. Grand Bay Melon [illegible] Grand Bay, Alabama.

FLOWERS

2 YEAR FIELD GROWN TEA ROSES: YOUR choice [illegible] $1. 10 [illegible] 40 [illegible] bulbs, blooming [illegible] 50c. [illegible] any [illegible] 50c. 10 [illegible] $1. Postpaid. [illegible] Naughton [illegible] Wisconsin.

2 YEAR FIELD GROWN ROSE BUSHES— Red, Pink, Shell, Salmon, White Radiance, Hollande, Columbia, Briarcliff, Luxembourg, Pres. Hoover, [illegible] Talisman, Souvenir. All 19c each, postpaid. Ship COD. Naughton Farms, Waxahachie, Texas.

BEAUTIFUL DAHLIAS, 12 DIFFERENT, $1. [illegible] Catalog. Mrs. Curtis Ray, Greensburg, Indiana.

POP CORN

SEED—POP CORN, JAPANESE HULLESS, South American, White Rice. 25c pound, 25 lb. bag $4.50; popping corn 25 lb. bag $2.35. Waukon Exchange, Waukon, Iowa.

SEED CORN

SEED CORN TREATED WITH "SEMESAN Jr." may be planted earlier, [illegible] rotting in cold, wet soil, produces more uniform and healthier stands, [illegible] gives growers bigger acre yields. Make sure the seed you buy has been treated with [illegible] dust disinfectant. Flows smoothly; it will not clog planter or slow up drop. Average yield increase in 51 tests, 10 per cent. Bayer-Semesan Company, Wilmington, Delaware, manufacturers.

SEED CORN, EARLY, SACK PICKED. FIRE dried, from disease free seed. Germination 95 per cent. Red Clover, $9 bushel. Mammoth Clover, $9.85. Timothy, $1.50; Seed Oats 35c to 45c. Everything in garden seeds. Send for catalog. Kelly Seed Company, Peoria, Illinois.

SEED CORN: GOLDEN KING AND LARGER seed yellow dents grown here 70 miles north Iowa line. All frame dried, 90 to 98 per cent germ. Mail postal for prices corn, flax, clover, alfalfa, etc. Davis Seed Company, St. Peter, Minnesota.

YOU CAN SELL SEED CORN IN KANSAS. [illegible] a failure for seed. We need [illegible] You can make quick, easy [illegible] Kansas Farmer, 112,178 subscribers. [illegible] Order now for next issue. Kansas Farmer, Box 10, Topeka, Kansas.

TESTED SEED CORN, IMPROVED REED'S [illegible] yellow dent. Tipped, shelled, graded, bagged. 95 per cent germination. $3 bushel. E. Rosenberg, Little Sioux, Iowa.

SEED CORN — REIDS, KRUG AND GRIFfith's early dent. Early picked and fire dried. 95 per cent germination. Griffith Seed Company, McNabb, Illinois.

EARLY DAKOTA YELLOW DENT, IOWA SILver King, good yielders, testing 90 per cent. Bushel shelled, $2.25. A. Bernhardt, Parkston, South Dakota.

KRUG'S SEED CORN GROWN IN BENTON County. Germination 94 per cent. Satisfaction guaranteed. Price $5 per bushel. Cliff Heller, Belle Plaine, Iowa.

GOLDEN KING, NORTH IOWA YIELD TEST winner. Pure strain. High germination. An established seed corn firm. R. B. Thompson, Belmond, Iowa.

PLANT BEARY'S IMPROVED YELLOW DENT. 1935 crop. Fire dried. Record yielder. Satisfaction guaranteed. Send for circular today. Beary Seed Corn Company, Albion, Marshall County, Iowa.

KRUG'S YELLOW DENT, 1935 WARREN County [illegible] official February test 93 strong. $3.50 bushel. Write or phone. C. H. Harmon, 206 S. A. L. Bldg., Des Moines, Iowa.

FARMERS BUY OUR HIGH BRED NEW CROP fire dried Perfection Yellow Dent. Hand picked, butted, tipped, graded. Ready to plant. State test 96 per cent. Price $2.50 bushel while it lasts. Ray E. Frederick, Nebraska City, Nebraska.

SELECTED SEED CORN, SEVERAL VARIEties, well tested, supply limited. Write today. Waukon Exchange, Waukon, Iowa.

SEEDS AND NURSERY STOCK

NORTHWEST IOWA SEED CORN, MOST VArieties. Advise requirements. Mets Produce Company, Lemars, Iowa.

SEED CORN TESTING 90 PER CENT AT $4 a bushel. Several bags 30c. J. C. Hanson, Dawson, Minnesota.

SEED CORN TESTER, HEATED, QUICK, 288 to 1440 ears cap. Des Moines Incubator, Des Moines, Iowa.

SOYBEANS

MUKDEN AND MANCHU SOYBEAN SEED. Usual high quality. Recleaned, graded, 95 percent germination. Bags of two bushels each, bags free. Mukdens, $1.35 per bushel, any amount. Manchus, $1.35. More than ten bushels $1.25. Inoculation, 5 bushel size $1, 2 bushel size 50c, postpaid. Wayne A. Robinson, Marshalltown, Iowa.

SOYBEANS RECLEANED, GOOD QUALITY. Manchu 90c bushel, Illini 95c bushel. Earl McAllister, Mount Union, Iowa.

STRAWBERRY PLANTS

250 MASTODONS OR GEM $1.75; 500 $2.75; $1,000 $5. Dorsett, Fairfax or Catskill 250 $1.50; 1,000 $4.50. Premier 250 $1.50; 1,000 $2.95. Dunlap, Aroma, Gibson or Blakemore 250 $1, 1,000 $3.25. Raspberries, Fruit Trees, Shrubs. Catalog. Wojcik Nurseries, New Buffalo, Michigan.

3,000,000 STRAWBERRY PLANTS. STATE certified. [illegible] $3.25; Fairfax, Chesapeake $4; Dorsett $2.25; Mastodon $5; Gibson, Aroma, Blakemore, [illegible] Red Gold, Bellmar $2.75 per 1,000. Satisfaction guaranteed. Fairview Plant [illegible] Indiana.

THREE MILLION SUPERIOR QUALITY strawberry [illegible] Premier, [illegible] Blakemore, Dunlap 200 [illegible] $1.15 [illegible] $4 [illegible] Mastodon [illegible] 90c per 100. Free [illegible] Nursery, Arcadia, W[illegible]

STRAWBERRIES MILLIONS. MAMMOTH. [illegible] Fairfax, Dorsett, Premier, Beaverbrook, [illegible] 175 $1; 500 $2; 5,000 $18.50; Dunlap, Bellmar, Blakemore 225 $1; 500 $1.50; 5,000 $13.75; 300 Mastodon $2. Catalog. William Abbott Company, Montgomery, Michigan.

GEM OR MASTODON 250, $1.60; 1,000 $5. Dorsett, Fairfax, Catskill 250, $1.50; 1,000, $4.50; Blakemore, Dunlap, Aroma 250, $1; 1,000, $2.95. Raspberries, Latham, Cumberland, 100, $1.25. Free Catalog. Lone Beach Nursery, New Buffalo, Michigan.

STRAWBERRY PLANTS DORSETT FAIRFAX, 600 100. Prepaid, $4 1,000. Premier, Aroma, Dunlap, Blakemore, $3. Francis Cottman, Jonesboro, Illinois.

100 MASTODON, 200 FAIRFAX OR DORSETT $2.25 postpaid. Seven varieties. Write for prices. Des Moines Valley Nursery, Bonaparte, Iowa.

HAND TRIMMED MASTODON OR GEM EVERbearers 200 $1.25. Postpaid. Large orders cheaper. Gimmer Willow Farms, Holland, Michigan.

200 DUNLAP STRAWBERRY PLANTS $1, 60 Gladiolus bulbs 75c. Prepaid. Keota Nursery, Keota, Iowa.

Livestock News

The Northwest Iowa Polled Hereford Association held its postponed sale at Le Mars, Iowa, on March 9, in spite of the worst roads and rushing streams and rivers in that section of the state. Owing to these conditions, the crowd was not as large as usual, but in spite of this 49 head of bulls were sold at an average of $145 per head, and the 53 head in the sale averaged $132. It was really a happy outcome in the face of the worst conditions ever experienced by this association. The top bull of the sale was No. 2, going to W. J. Carver, Washta, Iowa, at $240. This bull was consigned by J. L. Curran, of Mason City, Iowa. No. 26, from the Arthur Kallsen herd, also sold for $210, going to Gus Schultz, Le Mars, Iowa. Col. M. H. Cruise was the auctioneer. We list those that sold for $100 and above: No. 2, W. J. Carver, $240; 3, G. E. Hess, Le Mars, Iowa, $113; 4, L. Roelk, Aurelia, Iowa, $111; 5, G. E. Hess, $113; 8, 9, Fred Hinkeldey, Alta, Iowa, $135 each; 10, Joe Welch, Westfield, Iowa, $140; 15, Wm. Moeller, Walcott, Iowa, $150; 16, Ed Westphal, Primghar, Iowa, $120; 17, Antone Kotts, Kimball, S. D., $150; 18, Peeks Bros., Le Mars, Iowa, $157.50; 19, Wm. Orthmann, Paullina, Iowa, $127.50; 22, Joe Ahlers, Le Mars, Iowa, $180; 23, Richard Cruise, Le Mars, Iowa, $200; 24, Fred Smith, Cherokee, Iowa, $130; 25, John Ricketts, Struble, Iowa, $110; 26, Gus Schultz, $140; 27, Ben Loeseke, Le Mars, Iowa, $160; 28, A. J. Kotts, Kimball, S. D., $205; 29, E. H. Harmann, Luverne, Minn., $135; 31, Henry Jelken, $120; 33, Delbert Dittmers, Ireton, Iowa, $125; 34, Fred Timmerman, Holstein, Iowa, $230; 35, James Edgar, Marcus, Iowa, $127.50; 36, Dr. Vandewa, $102.50; 37, Henry Smith, Nemaha, Iowa, $120; 38, Louis Kotts, Kimball, S. D., $225; 39, H. Dempster, Kingsley, Iowa, $175; 50, Hud Paulsen, Kingsley, Iowa, $130; 51, W. H. Smith, $187.50; 52, J. T. Vanymeer, $140; 55, C. E. Stamp, Holstein, Iowa, $132.50; 56, H. D. Yule, Holstein, Iowa, $130; 57, The Ross Farms, Ottawa, Kan., $205; 58, 59, 60, 61, Earl Blanchard, Oshkosh, Neb., $210, $152.50, $122.50, $110.

Elsewhere in this issue you will find the advertisement of S. A. Spooner, of Mondamin, Iowa, who is offering 20 head of royally bred Hereford bulls, and he has some good ones. These are sired by Anxiety Domino 4th, Panama Stanway and Beau Blanchard 228th. Write, phone or go and see them. Mention this paper.

BROKEN DENTAL PLATES

REPAIRED AND REFINISHED

LIKE NEW $2

With 2 MISSING TEETH REPLACED & FREE

Each Additional Tooth 50c

SATISFACTION GUARANTEED

Repaired and Shipped Same Day Received C. O. D. For Safety Mail Plate Parcel Post Insured

NICOLLET DENTAL LABORATORY

Room 206 Medical Block

608 Nicollet Ave., Minneapolis, Minn.

With a Corn Crop at Stake . . .

Invest in the Best

Buy McCORMICK-DEERING

● You can't afford to take chances with the machine that *starts* your corn crop. Here is one place where delay and pinch-penny economy can cost you real money in reduced yield and profit.

Many farmers will make sure of their planters this spring by investing in McCormick-Deering "100 Series" Planters. You, too, will do well to look into your planter and give your crops the advantages of new-planter accuracy and efficiency.

McCormick-Deering "100 Series" Planters bring you an amazing combination of mechanical features in simplified form. They can be quickly set to check-row, drill, or hill-drop corn, soybeans, beans, peas, Kafir corn, etc. They use edge-drop, flat-drop, or full-hill-drop plates. Combination hoppers and fertilizer attachment can be supplied.

In these modern planters nothing is left to chance. The seed is measured out with positive accuracy and delivered to the soil without chance of failure. This means even, full hills and a maximum yield.

The McCormick-Deering dealer will gladly supply further details. Or write us for the latest McCormick-Deering Corn Planter folder.

INTERNATIONAL HARVESTER COMPANY
(INCORPORATED)
606 So. Michigan Ave. Chicago, Illinois

THINGS YOU WANT TO KNOW

The booklets which are put out by manufacturers in their special fields make a wonderful supplement to the experiment station bulletins on subjects in which farmers are interested. From the list below, check any booklets you may desire and they will be sent to you free of charge. Sign your name and address plainly and mail to the Free Booklet Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

......First Aid to Baby Chicks
......Worm Control
......Turkey Health News
......How and When to Vaccinate
......Free Farm Electricity From Wind
......How to Take Care of Your Pipe
......Motor Trip Plans (state when and Where You Will Drive)
......The Farmer's Road
......Permanent Farm Construction
......Concrete Stave Silos
......Farm Tire Catalog
......Furnaces and Air Conditioning Systems for Farm Homes
......Free Poultry House and Range Shelter Plans
......Modern Poultry Houses
......Permanent Farm Repairs
......Tractor Catalog
......New Way to Feed Minerals
......Making Every Acre Pay
......Iodine Feeding
......Power on Tiptoe
......Why It Pays to Feed Mineral Compounds to Livestock and Poultry
......Triple Wall Silos (Heart Stock Redwood)
......Tapestry Tile Silos (Matchless Texture and Equipment)
......Utility Silos (Low Cost—High Efficiency)
......Book of Seed Bargains
......Brooder House Catalog
......Know Your Soil
......Pig Incubator Portable Houses
......Windmills That Cost Less
......Farm Equipment Catalog
......Care and Culture of House Plants
......Flower Growers' Guide
......How to Succeed With Flowers
......Fence Guide
......64-page Textbook on Diseases, Diagnosis and Treatment
......Free Calendar and Catalog
......32-page Chick Feed Booklet
......Irontile Silos
......Glazed Silo Catalog
......Saving Money on Collars, Harness
......Guarding Profits With Corn Cribs
......Feeding for Profits With Silos
......Control Smut by Seed Treatment
......Greater Yields from Treating Seed Corn
......More Profits from Seed Potato Treatment
......Better Stands and Yields from Seed Vegetable (Flower) Treatment
......Practical Feeding for Profit
......Crib Plans
......Hog Raising for Greater Profits
......Suggestions for Planting and Care of Red Raspberries
......Livestock Manual
......Complete Poultry Guide
......Water Systems
......The Truth About Cream Separators
......Barn Pictures, Plans, Equipment
......Diesel News
......Chick Brooder Catalog
......Vaccination Simplified
......Sunshine Feeding Manual
......Three Hay Tools in One Machine
......64-page Fence Catalog
......How to Make Bread Without Kneading
......How to Feed Linseed Meal Most Profitably
......Threshing Machinery Catalog
......Successor to the Binder
......Silos and Silage
......Wallaces' Farmer Tour — Glacier Park and Pacific Northwest

Name ....

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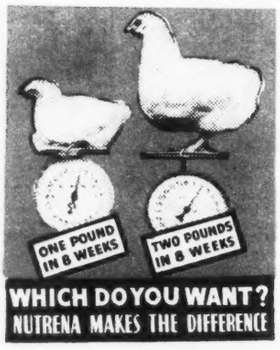
CHICK MASH

THIS YEAR- ANY YEAR- EVERY YEAR

Not an Ounce of Doubt in a Ton of Feed
It doesn't Cost to Feed Nutrena- IT PAYS!

Dead chicks are a total loss. Weak, puny, disease-ridden chicks are not much better. Poultry authorities agree that chicks, to grow rapidly and make a profit, MUST have a scientific ration of PROVED nutritional value.

NUTRENA, because it is the biologically nutritious chick mash, makes more money for you--raises MORE and BETTER chicks on LESS Feed at LESS Expense. It gives the added vigor, health and growth which you *do not* get from ordinary grains or cheap feeds. It enables you to market broilers earlier--makes them weigh heavier--makes pullets grow into good layers, not loafers.



Nothing else equals **NUTRENA** in bringing chicks over the critical first 8 weeks' period. It saves loss--helps prevent leg weakness--diarrhoea--coccidiosis--cannibalism and other fatal diseases. It INSURES rapid growth, greater resistance to disease and lowers mortality to a minimum. G on the big profit-making basis today, by usi **NUTRENA** Chick Mash. Thousands of success poultry raisers have proved **NUTRENA** t SAFEST and MOST ECONOMICAL Chick Ma to use. It will pay you to feed **NUTRENA.**

Safe. Sure. Economical

NUTRENA Chick Mash is built to an EXACTING biological standard. Each sack is full of wholesome, nutritious food that is rich in blood, bone, flesh and feather-making materials. **NUTRENA** Chick Mash contains an excess of life-giving vitamins, which means that it will grow MORE chicks into steady profit makers.

The value of **NUTRENA** Chick Mash will be doubly proved when you see your broilers go to market earlier with good flesh and feather. Critical poultry raisers know that **NUTRENA** fed chicks average 25% more eggs by December 1st, than chicks fed on unbalanced rations. **NUTRENA** means more pullet eggs this Fall and Winter. Puts chicks on the nest 4 to 6 weeks earlier.

NUTRENA MADE MONEY FOR THESE FOLKS . . . IT WILL FOR YOU!

2½ Pounds at 9 Weeks

"We only lost 2 chicks out of 520 and they weigh 2¼ to 2½ pounds at 9 weeks. We are starting 400 chicks tomorrow on Nutrena."—Clarence Fajen, Palmer, Kas.

Nebraskan Endorses Nutrena

"I bought 375 Leghorn chicks and have lost only 6. They are only 4 weeks old and most of them weigh 1 pound each."—Edward B. Von Dane, Lincoln, Neb.

Grow Rapidly on Less Food

"I have used a well-known brand of Poultry feed for sometime, but these chicks grown the Nutrena way advance so much more rapidly than before on a LESS amount of Feed." Carl Perry, Osceola, Iowa.

Nutrena Feed is the Best

"My cockrels weigh 2 pounds at 8 weeks—pullets 1¾ pounds. My 6-week-old chicks weigh 1½ pounds. You can't get better feed than Nutrena."—Geo. H. Hirsch, Mt. Grove, Missouri.

Never Lost a Chick

"I haven't lost a chick since I started them off on Nutrena Chick Mash."—Mrs. T. A. Evans, Gurdon, Arkansas.

Nutrena Mills, Inc. COFFEYVILLE, KANSAS, KANSAS CITY, KANS

BUILT TO AN EXACTING NUTRITIONAL STANDARD-NEVER DOWN TO A PRIC